

TROPICAL VEGETABLE INFORMATION SERVICE
(TVIS)

ASIAN VEGETABLE RESEARCH AND DEVELOPMENT CENTER
SHANHUA, TAIWAN

TROPICAL VEGETABLES THESAURUS

A classified and structured vocabulary of key words
for indexing and retrieving information on
mungbeans, soybeans, Chinese cabbage
and other tropical vegetable crops

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INTRODUCTION

The Tropical Vegetables Thesaurus was compiled to meet the specific requirements of the Tropical Vegetable Information Service (TVIS) at AVRDC. Its scope is therefore limited to AVRDC's five mandate crops - Chinese cabbage, mungbeans, soybeans, sweet potatoes and tomatoes - and indeed focuses primarily on Chinese cabbage, mungbeans and soybeans. But users will find that this thesaurus can also be useful for indexing literature covering a wide range of crops, provided that there is no requirement for great depth of indexing for crops other than those mentioned above.

Every effort was made to provide AVRDC with a tool capable of easy growth by addition of narrower terms under already-existing keywords. Thus, for example, there are keyword descriptors covering some 26 families of plants, each having additional important narrower terms available as keywords.

The thesaurus provides not only a rich supply of scientific epithets for plants, but also many common names for crops, covering such classes as cover crops, feed crops, food crops, grain crops, nut crops, oil crops, seed crops and, of course, vegetable crops. This will make it relatively simple to add new descriptors as requirements change over time.

Taxonomists and others with a special interest in vegetable nomenclature should note that I have generally followed the most recent IBPGR schemes. Inevitably there will be those who take issue with some aspect of my vegetable nomenclature, particularly as it relates to the genus Brassica, which is even now undergoing revision by European taxonomists. But this fact only underscores what every thesaurus compiler knows: a thesaurus is never finished so long as it is being used. It must be maintained, updated, corrected and periodically reprinted. Users are invited to cooperate in maintaining the thesaurus by addressing their suggestions for additions, corrections and improvements to the TVIS in care of the Asian Vegetable Research and Development Center.

The Tropical Vegetables Thesaurus was manually compiled and subsequently processed using IDRC's MINISIS software (Version F). MINISIS supports a program called VERIFY (in the user-contributed library) which was used to do some limited checking of hierarchical relationships and spelling prior to printing with the MINISIS print processor.

There are two sections to the thesaurus. In the first section the keywords are listed alphabetically by subject category; there are 9 categories (A to I). Thus, all country names can be quickly scanned in Category I beginning on page 129, while all keywords for scientific names of plants are found in category A beginning on page 1.

The second section is the familiar alphabetical thesaurus with entries for every descriptor and non-descriptor (forbidden term). This first edition contains 2 297 descriptors and 657 non-descriptors.

Users familiar with FAO's AGROVOC thesaurus will find that the Tropical Vegetables Thesaurus maintains a high degree of compatibility with it. In common with AGROVOC and many other English-language thesauri, the conventional abbreviations are used to indicate scope notes (SN), broader terms (BT), narrower terms (NT), related terms (RT) and synonyms (UF = used for). All keyword descriptors are printed in upper case, while non-descriptors are in lower case.

ABUTILON	A	AMBROSIA	A
BT MALVACEAE		BT COMPOSITAE	
AGAVACEAE	A	ANANAS	A
BT PLANTS		UF Pineapple	
NT AGAVE		BT BROMELIACEAE	
AGAVE	A	ANCESTOR SPECIES	A
BT AGAVACEAE		UF Progenitor species	
		Wild ancestors	
		BT SPECIES	
AGROPYRON	A	RT WILD SPECIES	
BT GRAMINEAE			
AGROSTIS	A	ARACEAE	A
BT GRAMINEAE		BT PLANTS	
		NT COLOCASIA	
ALGAE	A	ARACHIS	A
UF Chlorophyceae		BT LEGUMINOSAE	
Phaeophyceae		RT PEANUTS	
Rhodophyceae			
Seaweeds		ASPARAGUS	A
BT PLANTS		UF Lo sun	
RT SOIL FLORA		BT LILIACEAE	
		STEM VEGETABLES	
ALLIACEAE	A	AVRDC CULTIVARS	A
BT PLANTS		BT CULTIVARS	
NT ALLIUM			
ALLIUM	A	BENINCASA	A
BT ALLIACEAE		UF Hairy gourd	
RT CHIVES		Wax gourd	
GARLIC		BT CUCURBITACEAE	
LEEKs		RT CUCURBIT VEGETABLES	
ONIONS			
AMARANTHACEAE	A	BETA	A
BT PLANTS		BT CHENOPODIACEAE	
NT AMARANTHUS			
CELOSIA			
AMARANTHUS	A		
BT AMARANTHACEAE			
RT AMARANTH			

BIOGEOGRAPHY	A	BRASSICA CAMPESTRIS JAPONICA	A
UF Phytogeography		UF Brassica campestris nipposinica	
Zoogeography		BT BRASSICA CAMPESTRIS	
NT NATURAL DISTRIBUTION			
PLANT INTRODUCTION			
RT CENTRES OF ORIGIN		BRASSICA CAMPESTRIS NARINOSA	A
ECOLOGY		BT BRASSICA CAMPESTRIS	
GENETIC RESOURCES			
BRACHIARIA	A	BRASSICA CAMPESTRIS OLEIFERA	A
BT GRAMINEAE		UF Turnip rape	
		BT BRASSICA CAMPESTRIS	
BRASSICA	A	BRASSICA CAMPESTRIS	A
BT CRUCIFERAE		PARACHINENSIS	
NT BRASSICA CAMPESTRIS		UF Brassica parachinensis	
BRASSICA CARINATA		BT BRASSICA CAMPESTRIS	
BRASSICA JUNCEA		RT CHINESE FLOWERING CABBAGE	
BRASSICA NAPUS			
BRASSICA NIGRA		BRASSICA CAMPESTRIS PEKINENSIS	A
BRASSICA OLERACEA		UF Brassica pekinensis	
		BT BRASSICA CAMPESTRIS	
BRASSICA CAMPESTRIS	A	RT CHINESE CABBAGE	
BT BRASSICA			
NT BRASSICA CAMPESTRIS		BRASSICA CAMPESTRIS RAPA	A
CAMPESTRIS		UF Brassica campestris rapifera	
BRASSICA CAMPESTRIS		Brassica rapa	
CHINENSIS		BT BRASSICA CAMPESTRIS	
BRASSICA CAMPESTRIS		RT TURNIPS	
JAPONICA			
BRASSICA CAMPESTRIS		BRASSICA CAMPESTRIS TRILOCULARIS	A
NARINOSA		UF Sarson	
BRASSICA CAMPESTRIS		BT BRASSICA CAMPESTRIS	
OLEIFERA			
BRASSICA CAMPESTRIS		BRASSICA CARINATA	A
PARACHINENSIS		BT BRASSICA	
BRASSICA CAMPESTRIS		RT ETHIOPIAN MUSTARD	
PEKINENSIS			
BRASSICA CAMPESTRIS RAPA		BRASSICA JUNCEA	A
BRASSICA CAMPESTRIS		BT BRASSICA	
TRILOCULARIS		RT LEAF MUSTARD	
BRASSICA CAMPESTRIS CAMPESTRIS	A		
BT BRASSICA CAMPESTRIS			
BRASSICA CAMPESTRIS CHINENSIS	A		
UF Brassica chinensis			
BT BRASSICA CAMPESTRIS			
RT CHINESE FLAT CABBAGE			
CHINESE WHITE CABBAGE			

BRASSICA NAPUS	A	BRASSICA OLERACEA BOTRYTIS	A
BT BRASSICA		BT BRASSICA OLERACEA	
NT BRASSICA NAPUS BIENNIS		RT CAULIFLOWERS	
BRASSICA NAPUS			
NAPOBRASSICA			
BRASSICA NAPUS OLEIFERA		BRASSICA OLERACEA CAPITATA	A
RT HAKURAN		BT BRASSICA OLERACEA	
RAPE		RT COMMON CABBAGE	
BRASSICA NAPUS BIENNIS	A	BRASSICA OLERACEA GEMMIFERA	A
BT BRASSICA NAPUS		BT BRASSICA OLERACEA	
		RT BRUSSELS SPROUTS	
BRASSICA NAPUS NAPOBRASSICA	A	BRASSICA OLERACEA GONGYLODES	A
BT BRASSICA NAPUS		BT BRASSICA OLERACEA	
		RT KOHLRABI	
BRASSICA NAPUS OLEIFERA	A	BRASSICA OLERACEA ITALICA	A
BT BRASSICA NAPUS		BT BRASSICA OLERACEA	
		RT BROCCOLI	
BRASSICA NIGRA	A		
BT BRASSICA		BROMELIACEAE	A
RT BLACK MUSTARD		BT PLANTS	
		NT ANANAS	
BRASSICA OLERACEA	A		
BT BRASSICA		CAJANUS	A
NT BRASSICA OLERACEA ACEPHALA		BT LEGUMINOSAE	
BRASSICA OLERACEA		NT CAJANUS CAJAN	
ALBOGLABRA			
BRASSICA OLERACEA BOTRYTIS			
BRASSICA OLERACEA CAPITATA		CAJANUS CAJAN	A
BRASSICA OLERACEA		BT CAJANUS	
GEMMIFERA		RT CAJAN	
BRASSICA OLERACEA			
GONGYLODES			
BRASSICA OLERACEA ITALICA			
BRASSICA OLERACEA ACEPHALA	A	CAMELLIA	A
BT BRASSICA OLERACEA		UF Tea	
RT KALES		BT THEACEAE	
BRASSICA OLERACEA ALBOGLABRA	A	CANAVALIA	A
UF Brassica alboglabra		UF Bean (jack)	
BT BRASSICA OLERACEA		Jack bean	
RT CHINESE KALE		BT LEGUMINOSAE	
		CANNABIDACEAE	A
		BT PLANTS	
		NT HUMULUS	

CAPSICUM	A	CHENOPODIUM AMARANTICOLOR	AD
BT SOLONACEAE		BT CHENOPODIUM	
NT CAPSICUM ANNUUM		INDICATOR HOST PLANTS	
CAPSICUM FRUTESCENS			
CAPSICUM ANNUUM	A	CHENOPODIUM QUINOA	AD
UF Red peppers		BT CHENOPODIUM	
Sweet peppers		INDICATOR HOST PLANTS	
BT CAPSICUM			
CAPSICUM FRUTESCENS	A	CHINESE CABBAGE CULTIVARS	A
UF Bird chillies		BT CULTIVARS	
BT CAPSICUM			
CASSIA	A	CHRYSANTHEMUM	A
BT LEGUMINOSAE		BT COMPOSITAE	
CELOSIA	A	CICER	A
BT AMARANTHACEAE		BT LEGUMINOSAE	
CENCHRUS	A	NT CICER ARIETINUM	
BT GRAMINEAE			
CENTRES OF DIVERSITY	A	CICER ARIETINUM	A
BT EVOLUTION		BT CICER	
RT CENTRES OF ORIGIN		RT CHICKPEAS	
CENTRES OF ORIGIN	A	CICHORIUM	A
BT EVOLUTION		BT COMPOSITAE	
RT BIOGEOGRAPHY			
CENTRES OF DIVERSITY		CITRULLUS	A
CHENOPODIACEAE	A	BT CUCURBITACEAE	
BT PLANTS			
NT BETA		COCCINIA	A
CHENOPODIUM		BT CUCURBITACEAE	
SPINACIA			
CHENOPODIUM	A	COLOCASIA	A
BT CHENOPODIACEAE		BT ARACEAE	
NT CHENOPODIUM AMARANTICOLOR			
CHENOPODIUM QUINOA		COMPOSITAE	A
		BT PLANTS	
		NT AMBROSIA	
		CHRYSANTHEMUM	
		CICHORIUM	
		CRASSOCEPHALUM	
		HELIANTHUS	
		LACTUCA	
		XANTHIUM	

CONVOLVULACEAE	A	CUCURBITACEAE	A
BT PLANTS		BT PLANTS	
NT CONVULVULUS		NT BENINCASA	
IPOMOEAE		CITRULLUS	
		COCCINIA	
		CUCUMIS	
CONVOLVULUS	A	CUCURBITA	
BT CONVULVULACEAE		LAGENARIA	
		LUFFA	
		MOMORDICA	
CORIANDRUM	A	TRICHOSANTHES	
BT UMBELLIFERAE			
		CULTIVARS	A
CRASSOCEPHALUM	A	UF Cultivated varieties	
BT COMPOSITAE		BT VARIETIES	
		NT AVRDC CULTIVARS	
		CHINESE CABBAGE CULTIVARS	
CROTALARIA	A	MUNGBEAN CULTIVARS	
BT LEGUMINOSAE		SOYBEAN CULTIVARS	
		SWEET POTATO CULTIVARS	
		TOMATO CULTIVARS	
CRUCIFERAE	A	RT LANDRACES	
BT PLANTS		PURE LINES	
NT BRASSICA			
LEPIDIUM			
NASTURTIUM		CUMINUM	A
RAPHANUS		BT UMBELLIFERAE	
RORIPPA			
SINAPIS			
		CYPERACEAE	A
CUCUMIS	A	BT PLANTS	
BT CUCURBITACEAE		NT CYPERUS	
NT CUCUMIS MELO			
CUCUMIS SATIVUS		CYPERUS	A
RT CUCURBIT VEGETABLES		BT CYPERACEAE	
CUCUMIS MELO	A	DATURA	A
BT CUCUMIS		BT SOLONACEAE	
		NT DATURA STRAMONIUM	
CUCUMIS SATIVUS	AD	DATURA STRAMONIUM	AD
BT CUCUMIS		BT DATURA	
INDICATOR HOST PLANTS		INDICATOR HOST PLANTS	
CUCURBITA	A	DAUCUS	A
BT CUCURBITACEAE		BT UMBELLIFERAE	
RT CUCURBIT VEGETABLES		NT DAUCUS CAROTA	

DAUCUS CAROTA	A	GLYCINE (GENUS)	A
BT DAUCUS		BT LEGUMINOSAE	
RT CARROTS		NT GLYCINE CANESCENS	
		GLYCINE CLANDESTINA	
		GLYCINE FALCATA	
DIGITARIA	A	GLYCINE LATIFOLIA	
BT GRAMINEAE		GLYCINE LATROBEANA	
		GLYCINE MAX	
		GLYCINE SOJA	
DIOSCOREA	A	GLYCINE TABACINA	
BT DIOSCOREACEAE		GLYCINE TOMENTELLA	
RT YAMS			
DIOSCOREACEAE	A	GLYCINE CANESCENS	A
BT PLANTS		BT GLYCINE (GENUS)	
NT DIOSCOREA			
DOMESTICATION	A	GLYCINE CLANDESTINA	A
RT HISTORY		BT GLYCINE (GENUS)	
		GLYCINE FALCATA	A
		BT GLYCINE (GENUS)	
ECHINOCHLOA	A		
BT GRAMINEAE			
		GLYCINE LATIFOLIA	A
		BT GLYCINE (GENUS)	
ELEUSINE	A		
BT GRAMINEAE			
		GLYCINE LATROBEANA	A
		BT GLYCINE (GENUS)	
ERAGROSTIS	A		
BT GRAMINEAE			
		GLYCINE MAX	A
		SN Glycine max (L.) Merr.	
EUPHORBIACEAE	A	BT GLYCINE (GENUS)	
BT PLANTS		RT SOYBEANS	
NT MANIHOT			
EVOLUTION	A	GLYCINE SOJA	A
NT CENTRES OF DIVERSITY		SN Glycine soja (L.) Sieb.	
CENTRES OF ORIGIN		and Zucc. This is the	
NATURAL SELECTION		wild annual relative of	
PHYLOGENY		G. max	
BT BIOLOGICAL DEVELOPMENT		BT GLYCINE (GENUS)	
BIOLOGY			
HISTORY			
INHERITANCE		GLYCINE TABACINA	A
		BT GLYCINE (GENUS)	
		GLYCINE TOMENTELLA	A
		BT GLYCINE (GENUS)	

GOSSYPPIUM	A	HISTORY	A
UF Cotton		RT DOMESTICATION	
BT MALVACEAE		EVOLUTION	
GRAMINEAE	A	HORDEUM	A
BT PLANTS		UF Barley	
NT AGROPYRON		BT GRAMINEAE	
AGROSTIS		RT CEREALS	
BRACHIARIA			
CENCHRUS		HUMULUS	A
DIGITARIA		UF Hops	
ECHINOCHLOA		BT CANNABIDACEAE	
ELEUSINE			
ERAGROSTIS		IDENTIFICATION	A
HORDEUM		UF Determination of species	
MUHLENBERGIA		RT ISOLATION	
ORYZA		NOMENCLATURE	
PANICUM			
PASPALUM		IPOMOEAE	A
PENNISETUM		BT CONVULVULACEAE	
SACCHARUM		NT IPOMOEAE AQUATICA	
SETARIA		IPOMOEAE BATATAS	
SORGHUM		IPOMOEAE GRACILIS	
TRITICUM		IPOMOEAE LACUNOSA	
ZEA		IPOMOEAE LEUCANTHA	
HELIANTHUS	A	IPOMOEAE LITTORALIS	
UF Sunflower		IPOMOEAE RAMONI	
BT COMPOSITAE		IPOMOEAE TILIACEA	
HIBISCUS	A	IPOMOEAE TRICHOCARPA	
BT MALVACEAE		IPOMOEAE TRIFIDA	
NT HIBISCUS ESCULENTUS		IPOMOEAE TRILOBA	
HIBISCUS SABDARIFFA			
HIBISCUS ESCULENTUS	A	IPOMOEAE AQUATICA	A
UF Abelmoschus esculentus		BT IPOMOEAE	
BT HIBISCUS		RT WATER SPINACH	
RT OKRA			
HIBISCUS SABDARIFFA	A	IPOMOEAE BATATAS	A
BT HIBISCUS		UF Batatas edulis	
		BT IPOMOEAE	
		RT SWEET POTATOES	
HIGH-YIELDING VARIETIES	A	IPOMOEAE GRACILIS	A
BT VARIETIES		BT IPOMOEAE	
RT YIELDS			
		IPOMOEAE LACUNOSA	A
		BT IPOMOEAE	

IPOMOEA LEUCANTHA	A	LANDRACES	A
BT IPOMOEA		UF Land races	
		Primitive cultivars	
		BT RACES	
IPOMOEA LITTORALIS	A	PT CULTIVARS	
BT IPOMOEA		WILD SPECIES	
IPOMOEA RAMONI	A	LEGUMINOSAE	A
BT IPOMOEA		UF Caesalpinioideae	
		Faboideae	
		Lotoideae	
IPOMOEA TILIACEA	A	Mimosoideae	
BT IPOMOEA		Papilionoideae	
		BT PLANTS	
		NT ARACHIS	
IPOMOEA TRICHOCARPA	A	CAJANUS	
BT IPOMOEA		CANAVALIA	
		CASSIA	
		CICER	
IPOMOEA TRIFIDA	A	CROTALARIA	
BT IPOMOEA		GLYCINE (GENUS)	
		LABLAB	
		LENS	
IPOMOEA TRILOBA	A	LEUCAENA	
BT IPOMOEA		NEONOTONIA WIGHTII	
		PACHYRRHIZUS	
		PHASEOLUS	
LABLAB	A	PISUM	
UF Bean (hyacinth)		PSOPHOCARPUS	
Hyacinth bean		VICIA	
BT LEGUMINOSAE		VIGNA	
LACTUCA	A	LENS	A
BT COMPOSITAE		UF Lentil	
NT LACTUCA INDICA		BT LEGUMINOSAE	
LACTUCA SATIVA			
LACTUCA INDICA	A	LEPIDIUM	A
BT LACTUCA		BT CRUCIFERAE	
RT INDIAN LETTUCE			
LACTUCA SATIVA	A	LEUCAENA	A
BT LACTUCA		UF Ipil-ipil	
RT LETTUCES		BT LEGUMINOSAE	
LAGENARIA	A	LILIACEAE	A
BT CUCURBITACEAE		BT PLANTS	
		NT ASPARAGUS	

LUFFA	A	MALVACEAE	A
BT CUCURBITACEAE		BT PLANTS	
RT CUCURBIT VEGETABLES		NT ABUTILON	
		GOSSYPIMUM	
		HIBISCUS	
LYCOPERSICON	A		
BT SOLONACEAE			
NT LYCOPERSICON CHEESMANII		MANIHOT	A
LYCOPERSICON CHILENSE		BT EUPHORBIACEAE	
LYCOPERSICON CHMIELEWSKII		RT CASSAVA	
LYCOPERSICON ESCULENTUM			
LYCOPERSICON GLANDULOSUM			
LYCOPERSICON HIRSUTUM		MOMORDICA	A
LYCOPERSICON PARVIFLORUM		BT CUCURBITACEAE	
LYCOPERSICON PERUVIANUM		RT CUCURBIT VEGETABLES	
LYCOPERSICON			
PIMPINELLIFOLIUM			
RT TOMATOES		MUHLENBERGIA	A
		BT GRAMINEAE	
LYCOPERSICON CHEESMANII	A		
BT LYCOPERSICON		MUNGBEAN CULTIVARS	A
		BT CULTIVARS	
LYCOPERSICON CHILENSE	A		
BT LYCOPERSICON		NASTURTIIUM	A
		BT CRUCIFERAE	
LYCOPERSICON CHMIELEWSKII	A		
BT LYCOPERSICON		NATURAL DISTRIBUTION	A
		BT BIOGEOGRAPHY	
LYCOPERSICON ESCULENTUM	A		
BT LYCOPERSICON		NATURAL SELECTION	AC
		BT EVOLUTION	
		SELECTION	
LYCOPERSICON GLANDULOSUM	A		
BT LYCOPERSICON		NEONOTONIA WIGHTII	A
		UF Glycine javanica	
LYCOPERSICON HIRSUTUM	A	Glycine wightii	
BT LYCOPERSICON		BT LEGUMINOSAE	
LYCOPERSICON PARVIFLORUM	A	NEW SPECIES	A
BT LYCOPERSICON		BT SPECIES	
LYCOPERSICON PERUVIANUM	A	NICOTIANA	A
BT LYCOPERSICON		BT SOLONACEAE	
		NT NICOTIANA BENTHAMIANA	
		NICOTIANA GLUTINOSA	
LYCOPERSICON PIMPINELLIFOLIUM	A	NICOTIANA SYLVESTRIS	
BT LYCOPERSICON		NICOTIANA TABACUM	

NICOTIANA BENTHAMIANA	AD	PHASEOLUS	A
BT INDICATOR HOST PLANTS		BT LEGUMINOSAE	
NICOTIANA		NT PHASEOLUS ACUTIFOLIUS	
		PHASEOLUS COCCINEUS	
		PHASEOLUS LUNATUS	
		PHASEOLUS VULGARIS	
NICOTIANA GLUTINOSA	AD		
BT INDICATOR HOST PLANTS		PHASEOLUS ACUTIFOLIUS	A
NICOTIANA		UF Bean (tepary)	
		Tepary bean	
		BT PHASEOLUS	
NICOTIANA SYLVESTRIS	AD		
BT INDICATOR HOST PLANTS		PHASEOLUS COCCINEUS	A
NICOTIANA		UF Bean (scarlet runner)	
		Scarlet runner bean	
		BT PHASEOLUS	
NICOTIANA TABACUM	AD		
UF Tobacco		PHASEOLUS LUNATUS	A
BT INDICATOR HOST PLANTS		UF Bean (butter)	
NICOTIANA		Bean (Lima)	
		Bean (sieva)	
		Butter bean	
		Lima bean	
		Sieva bean	
		BT PHASEOLUS	
NOMENCLATURE	A		
BT TAXONOMY		PHASEOLUS VULGARIS	AD
RT IDENTIFICATION		BT INDICATOR HOST PLANTS	
		PHASEOLUS	
		RT KIDNEY BEANS	
ORYZA	A	PHYLOGENY	A
UF Rice		UF Phylogenesis	
BT GRAMINEAE		Speciation	
RT CEREALS		BT EVOLUTION	
		RT SPECIES	
PACHYRRHIZUS	A		
UF Bean (yam)		PHYSALIS	A
Yam bean		BT SOLONACEAE	
BT LEGUMINOSAE			
PALMAE	A		
BT PLANTS		PISUM	A
		BT LEGUMINOSAE	
PANICUM	A	NT PISUM SATIVUM	
BT GRAMINEAE			
PASPALUM	A		
BT GRAMINEAE			
PENNISETUM	A		
BT GRAMINEAE			

PISUM SATIVUM	A	PSOPHOCARPUS	A
UF Peas		BT LEGUMINOSAE	
BT PISUM		NT PSOPHOCARPUS	
		TETRAGONOLOBUS	
PLANT INTRODUCTION	A	RACES	A
BT BIOGEOGRAPHY		UF Strains	
RT GERMPLASM COLLECTION		BT TAXA	
GERMPLASM EXCHANGES		NT LANDRACES	
PLANTS	A	RAPHANUS	A
NT AGAVACEAE		BT CRUCIFERAE	
ALGAE		NT RAPHANUS SATIVUS	
ALLIACEAE			
AMARANTHACEAE		RAPHANUS SATIVUS	A
ARACEAE		BT RAPHANUS	
BROMELIACEAE		NT RAPHANUS SATIVUS	
CANNABIDACEAE		LONGIPINNATUS	
CHENOPODIACEAE		PT RADISHES	
COMPOSITAE			
CONVOLVULACEAE		RAPHANUS SATIVUS LONGIPINNATUS	A
CRUCIFERAE		BT RAPHANUS SATIVUS	
CUCURBITACEAE		RT CHINESE RADISH	
CYPERACEAE			
DIOSCOREACEAE		RELATED WILD SPECIES	A
EUPHORBIACEAE		BT WILD SPECIES	
GRAMINEAE			
LEGUMINOSAE		RESISTANT VARIETIES	A
LILIACEAE		SN Varieties and cultivars	
MALVACEAE		resistant to injurious	
PALMAE		factors	
PORTULACACEAE		UF Resistant cultivars	
SOLONACEAE		BT VARIETIES	
TETRAGONIACEAE			
THEACEAE		RORIPPA	A
UMBELLIFERAE		BT CRUCIFERAE	
ZINGIBERACEAE		RT WATERCRESS	
RT CROPS			
FUNGI		SACCHARUM	A
INDICATOR HOST PLANTS		UF Sugarcane	
LEGUMES		BT GRAMINEAE	
PARASITIC PLANTS			
SOIL FLORA		SETARIA	A
WEEDS		BT GRAMINEAE	
PORTULACACEAE	A		
BT PLANTS			
NT TALINUM			

SINAPIS	A	SPINACIA	A
BT CRUCIFERAE		BT CHENOPODIACEAE	
NT SINAPIS ALBA		NT SPINACIA OLERACEA	
SINAPIS ALBA	A	SPINACIA OLERACEA	A
BT SINAPIS		BT SPINACIA	
RT WHITE MUSTARD		RT SPINACHES	
SOLANUM	A	SWEET POTATO CULTIVARS	A
BT SOLONACEAE		BT CULTIVARS	
NT SOLANUM MELONGENA			
SOLANUM TUBEROSUM			
SOLANUM MELONGENA	A	TALINUM	A
BT SOLANUM		BT PORTULACACEAE	
RT EGGPLANT			
SOLANUM TUBEROSUM	A	TAXA	A
BT SOLANUM		BT TAXONOMY	
RT POTATOES		NT RACES	
		SPECIES	
		VARIETIES	
SOLONACEAE	A	TAXONOMY	A
BT PLANTS		UF Biosystematics	
NT CAPSICUM		Systematics	
DATURA		NT NOMENCLATURE	
LYCOPERSICON		TAXA	
NICOTIANA		RT BIOLOGY	
PHYSALIS			
SOLANUM			
SORGHUM	A	TETRAGONIA	A
BT GRAMINEAE		UF New Zealand spinach	
RT CEREALS		BT TETRAGONIACEAE	
SOYBEAN CULTIVARS	A	TETRAGONIACEAE	A
BT CULTIVARS		BT PLANTS	
		NT TETRAGONIA	
SPECIES	A	THEACEAE	A
BT TAXA		BT PLANTS	
NT ANCESTOR SPECIES		NT CAMELLIA	
NEW SPECIES			
WILD SPECIES		TOMATO CULTIVARS	A
RT PHYLOGENY		BT CULTIVARS	
		TRICHOSANTHES	A
		BT CUCURBITACEAE	

TRITICUM	A	VIGNA ANGULARIS	A
UF Wheat		UF Azukia angularis	
BT GRAMINEAE		Dolichos angularis	
RT CEREALS		Phaseolus angularis	
		BT VIGNA	
		RT ADZUKI BEANS	
UMBELLIFERAE	A		
BT PLANTS		VIGNA GLABRESCENS	A
NT APIUM		UF Phaseolus glaber	
CORIANDRUM		Phaseolus mungo var.	
CUMINUM		glaber	
DAUCUS		Vigna radiata var. glabra	
		BT VIGNA	
VARIETIES	A		
BT TAXA		VIGNA MUNGO	A
NT CULTIVARS		SN Vigna mungo (L.) Hepper	
HIGH-YIELDING VARIETIES		UF Phaseolus mungo	
RESISTANT VARIETIES		BT VIGNA	
		RT URD	
VICIA	A		
BT LEGUMINOSAE		VIGNA RADIATA	A
NT VICIA FABA		SN Vigna radiata (L.) Wilczek	
		UF Phaseolus aureus	
VICIA FABA	AD	Phaseolus radiatus	
BT INDICATOR HOST PLANTS		BT VIGNA	
VICIA		RT MUNGBEANS	
RT FABA BEANS			
		VIGNA SUBTERRANEA	A
VIGNA	A	BT VIGNA	
BT LEGUMINOSAE			
NT VIGNA ACONITIFOLIA		VIGNA UMBELLATA	A
VIGNA ANGULARIS		UF Bean (rice)	
VIGNA GLABRESCENS		Dolichos umbellatus	
VIGNA MUNGO		Phaseolus calcaratus	
VIGNA RADIATA		Phaseolus pubescens	
VIGNA SUBTERRANEA		Phaseolus riccardianus	
VIGNA UMBELLATA		Phaseolus torosus	
VIGNA UNGUICULATA		Rice bean	
		Vigna calcarata	
VIGNA ACONITIFOLIA	A	BT VIGNA	
UF Bean (moth)			
Dolichos dissectus			
Moth bean			
Phaseolus aconitifolia			
Phaseolus palmatus			
BT VIGNA			

VIGNA UNGUICULATA	AD	ZINGIBERACEAE	A
UF Dolichos unguiculata		BT PLANTS	
Vigna sinensis		NT ZINGIBER	
BT INDICATOR HOST PLANTS			
VIGNA			
NT VIGNA UNGUICULATA BIFLORA		2,4,5-T	B
VIGNA UNGUICULATA		UF Trichlorophenoxyacetic acid	
SESQUIPEDALIS		BT AUXINS	
VIGNA UNGUICULATA			
UNGUICULATA			
RT COWPEAS			
		2,4-D	B
VIGNA UNGUICULATA BIFLORA	AD	UF Dichlorophenoxyacetic acid	
UF Dolichos biflorus		BT AUXINS	
Dolichos catjang			
Phaseolus cylindricus		ABA	B
Vigna unguiculata subsp. cylindrica		UF Absciscic acid	
BT VIGNA UNGUICULATA		BT GROWTH INHIBITORS	
		RT ABSCISSION	
VIGNA UNGUICULATA SESQUIPEDALIS	AD	ABSCISSION	B
UF Dolichos sesquipedalis		UF Abortion (flower or pod)	
Vigna sesquipedalis		Flower abortion	
BT VIGNA UNGUICULATA		Leaf fall	
RT YARD-LONG BEANS		Pod abortion	
		BT PLANT DEVELOPMENTAL STAGES	
VIGNA UNGUICULATA UNGUICULATA	AD	RT ABA	
BT VIGNA UNGUICULATA			
		ABSORPTION	B
WILD SPECIES	A	BT CHEMICOPHYSICAL PROPERTIES	
BT SPECIES		RT NUTRIENT UPTAKE	
NT RELATED WILD SPECIES		WATER UPTAKE	
RT ANCESTOR SPECIES			
LANDRACES		ACETYLENE REDUCTION	P
		BT REDUCTION	
XANTHIUM	A		
BT COMPOSITAE		ACID BASE EQUILIBRIUM	B
		BT PH	
ZEA	A		
UF Maize		ACID PHOSPHATASE	B
BT GRAMINEAE		BT HYDROLASES	
RT CEREALS			
ZINGIBER	A	ADAPTATION	B
UF Ginger		SN Physiological adaptation	
BT ZINGIBERACEAE		UF Acclimatization	
		BT PHYSIOLOGY	

ADENINE	B	AMINO ACIDS	B
BT CYTOKININS		BT ORGANIC ACIDS	
PURINE BASES		NT ALANINE	
RT BA		ARGININE	
		ASPARAGINE	
		ASPARTIC ACID	
ADENOSINE	B	CARNITINE	
BT NUCLEOSIDES		CITRULLINE	
		CREATINE	
AGE	B	CREATININE	
BT AGING		CYSTEINE	
RT LONGEVITY		CYSTINE	
		GLUTAMIC ACID	
		GLUTAMINE	
AGING	B	GLYCINE	
UF Senescence		HISTIDINE	
BT PHYSIOLOGY		HYDROXYPROLINE	
NT AGE		LYSINE	
LONGEVITY		METHIONINE	
		ORNITHINE	
AIR	B	PHENYLALANINE	
BT GASES		PROLINE	
		SARCOSINE	
ALANINE	B	SERINE	
BT AMINO ACIDS		THREONINE	
		TRYPTOPHAN	
		TYROSINE	
		VALINE	
ALCOHOLS	B	AMMONIA	B
BT HYDROXY COMPOUNDS		BT INORGANIC COMPOUNDS	
ALDEHYDES	B	AMMONIUM COMPOUNDS	B
BT ORGANIC COMPOUNDS		BT ORGANIC COMPOUNDS	
ALKALOIDS	B	ANABOLISM	B
BT ORGANIC COMPOUNDS		BT METABOLISM	
NT COLCHICINE		RT BIOSYNTHESIS	
NICOTINE			
ALUMINIUM	B	ANDROECIUM	B
BT ELEMENTS		BT FLOWERS	
		NT STAMENS	
		ANEUPLOIDY	B
		BT CHROMOSOME NUMBER	
		NT MONOSOMICS	
		NULLISOMICS	
		TRISOMICS	

ANIMAL DEVELOPMENTAL STAGES	B	AROMATICS	B
BT DEVELOPMENTAL STAGES		BT ORGANIC COMPOUNDS	
NT LARVAE		NT COUMARINS	
		DNOC	
ANTHERS	B	ARTIFICIAL LIGHT	B
BT STAMENS		BT LIGHT	
NT POLLEN		RT LIGHTING	
ANTIMETABOLITES	B	ASEXUAL REPRODUCTION	B
UF Metabolic inhibitors		BT REPRODUCTION	
BT PLANT GROWTH SUBSTANCES		NT APOMIXIS	
NT BROMACIL		CLONING	
DNOC		PARTHENOCARPY	
RT CYTOKININS		PARTHENOGENESIS	
METABOLISM		RT VEGETATIVE PROPAGATION	
APICAL DOMINANCE	B	ASPARAGINE	B
SN The inhibition of lateral buds or meristems by the apical meristem		BT AMINO ACIDS	
RT APICAL MERISTEMS		ASPARTIC ACID	B
BRANCHING		BT AMINO ACIDS	
GROWTH INHIBITORS			
APICAL MERISTEMS	B	ASSIMILATION	BE
BT MERISTEMS		BT NUTRITION PHYSIOLOGY	
RT APICAL DOMINANCE		NT NET ASSIMILATION RATE	
		RT METABOLISM	
APOMIXIS	B	AUXINS	B
BT ASEXUAL REPRODUCTION		BT PLANT GROWTH SUBSTANCES	
RT PARTHENOGENESIS		NT 2,4,5-T	
POLYEMBRYONY		2,4-D	
		IAA	
APPLIED PRESSURE	B	IBA	
BT PRESSURE		MCPA	
		NAA	
ARABINOSE	B	NAPHTHALENE ACETAMIDE	
BT SUGARS		NAPHTHENIC ACID	
		NAPHTHOXYACETIC ACID	
ARGININE	B	ORTHONIL	
BT AMINO ACIDS			

B VITAMINS	B	BIOLOGICAL PRODUCTION	B
UF B-complex		NT BIOMASS	
Vitamin B		PT BIOLOGY	
BT VITAMINS			
NT FOLIC ACID		BIOLOGY	B
NICOTINAMIDE		NT BOTANY	
PANTOTHENIC ACID		CYTOLOGY	
PYRIDOXINE		MICROBIOLOGY	
RIBOFLAVIN		SOIL BIOLOGY	
THIAMIN		ZOOLOGY	
VITAMIN B12		RT BIOLOGICAL DEVELOPMENT	
		BIOLOGICAL PRODUCTION	
BA	B	ECOLOGY	
UF Benzyladenine		EVOLUTION	
BT CYTOKININS		GENETICS	
RT ADENINE		PHYSIOLOGY	
		TAXONOMY	
BACTERIOLOGY	B		
BT MICROBIOLOGY		BIOMASS	B
RT BACTERIA		BT BIOLOGICAL PRODUCTION	
		MASS	
BAKING CHARACTERISTICS	B		
BT CHEMICOPHYSICAL PROPERTIES		BIOSYNTHESIS	B
		BT PHYSIOLOGY	
BIOCHEMICAL PATHWAYS	B	NT PHOTOSYNTHESIS	
BT BIOCHEMISTRY		RT ANABOLISM	
RT METABOLISM		NUTRITION PHYSIOLOGY	
BIOCHEMISTRY	B	BIOTIN	B
UF Phytochemistry		UF Vitamin H	
BT CHEMISTRY		BT VITAMINS	
NT BIOCHEMICAL PATHWAYS			
RT PHOTOCHEMISTRY		BOLTING	B
PHYSIOLOGY		SN Premature, early or rapid	
		flower stalk growth and	
BIOLOGICAL DEVELOPMENT	B	development	
BT PHYSIOLOGY		BT FLOWER INDUCTION	
NT DIFFERENTIATION		RT BOLTING RESISTANCE	
EMBRYONIC DEVELOPMENT			
GROWTH		BORON	B
LIGNIFICATION		BT ELEMENTS	
MATURATION			
RT BIOLOGY		BOTANY	B
DEVELOPMENTAL STAGES		UF Plant biology	
EVOLUTION		BT BIOLOGY	
		NT PLANT ECOLOGY	
		PLANT PATHOLOGY	

BRACTS	B	CANOPY	B
BT LEAVES		SN Cover of leaves and branches formed by tops of plants	
BRANCHING	B	BT PLANT ANATOMY	
BT PLANT DEVELOPMENTAL STAGES		RT CANOPY SHAPE	
RT APICAL DOMINANCE STEMS			
		CANOPY SHAPE	B
		BT PLANT HABIT	
BROMACIL	B	RT CANOPY	
BT ANTIMETABOLITES			
		CARBOHYDRATES	B
BROMINE	B	BT ORGANIC COMPOUNDS	
BT ELEMENTS		NT POLYSACCHARIDES SUGARS	
		RT NUTRIENT CONTENT	
BUD POLLINATION	B		
SN Young pistils sef-fertilized with mature pollen		CARBON	B
BT SELF POLLINATION		BT ELEMENTS	
BUDS	BC	CARBON DIOXIDE	B
BT PLANT ANATOMY		BT OXIDES	
PROPAGATION MATERIALS			
RT AXILLARY BUD CULTURE		CARBONATES	B
		BT SALTS	
		NT CALCIUM CARBONATE	
CALCIUM	B		
BT ELEMENTS		CARNITINE	B
		BT AMINO ACIDS	
CALCIUM CARBONATE	B		
BT CARBONATES		CAROTENOIDS	B
		UF Carotenes	
CALORIFIC VALUE	B	BT PIGMENTS	
BT CHEMICOPHYSICAL PROPERTIES			
		CATABOLISM	B
CALYX	B	BT METABOLISM	
UF Sepals		RT RESPIRATION	
BT FLOWERS			
		CATALYTIC ACTIVITY	B
CAMBIUM	B	BT CHEMICOPHYSICAL PROPERTIES	
BT VASCULAR BUNDLES			

CELL DIVISION	B	CHEMICOPHYSICAL PROPERTIES	B
BT PHYSIOLOGY		UF Chemical properties	
NT MEIOSIS		Physical properties	
MITOSIS		Properties (chemical)	
RT GROWTH		Properties (physical)	
MERISTEMS		NT ABSORPTION	
NUCLEUS		BAKING CHARACTERISTICS	
		CALORIFIC VALUE	
CELL MEMBRANE PHYSIOLOGY	B	CATALYTIC ACTIVITY	
BT PHYSIOLOGY		DIMENSIONS	
RT CELL MEMBRANES		MASS	
CELL WALLS		MECHANICAL PROPERTIES	
CYTOLOGY		OPTICAL PROPERTIES	
PERMEABILITY		ORGANOLEPTIC PROPERTIES	
		OXIDATION	
CELL MEMBRANES	B	PERMEABILITY	
BT CELL STRUCTURE		PH	
NT PLASMALEMMMA		PHOTOSENSITIVITY	
TONOPLAST		PRESSURE	
RT CELL MEMBRANE PHYSIOLOGY		RADIOACTIVITY	
		REDUCTION	
		RHEOLOGICAL PROPERTIES	
		SALINITY	
		SOIL CHEMICOPHYSICAL	
CELL STRUCTURE	B	PROPERTIES	
NT CELL MEMBRANES		TEXTURE	
CELL WALLS		THERMAL PROPERTIES	
CYTOPLASMIC ORGANELLES			
NUCLEUS		CHEMISTRY	B
PROTOPLASM		NT BIOCHEMISTRY	
RIBOSOMES		PHOTOCHEMISTRY	
RT CELLS		SOIL CHEMISTRY	
CYTOLOGY		RT CHEMICAL ANALYSIS	
		INORGANIC COMPCUNDS	
CELL WALLS	B	ISOLATION	
BT CELL STRUCTURE		ORGANIC COMPOUNDS	
RT CELL MEMBRANE PHYSIOLOGY			
		CHITIN	B
CELLS	B	BT POLYSACCHARIDES	
NT TRACHEIDS			
RT CELL STRUCTURE		CHLORIDES	B
CYTOLOGY		BT SALTS	
		NT POTASSIUM CHLORIDE	
CELLULASE	B		
BT HYDROLASES		CHLORINE	B
		BT ELEMENTS	
CELLULOSES	B		
BT POLYSACCHARIDES		CHLOROPHYLLS	B
NT LIGNINS		BT PIGMENTS	

CHLOROPLASTS	B	COLLENCHYMA	B
BT PLASTIDS		BT PLANT TISSUES	
RT PHOTOSYNTHESIS			
CHROMOSOME NUMBER	B	COLOUR	B
BT CHROMOSOMES		BT OPTICAL PROPERTIES	
NT ANEUPLOIDY			
DIPLOIDS		COPPER	B
HAPLOIDS		BT ELEMENTS	
POLYPLOIDS			
CHROMOSOMES	B	COROLLA	B
BT NUCLEUS		BT FLOWERS	
NT CHROMOSOME NUMBER			
RT CHROMOSOME MANIPULATION		CORTEX	B
DNA		BT PLANT TISSUES	
GENES			
CITRIC ACID	B	COTYLEDONS	B
BT ORGANIC ACIDS		UF Seed-leaves	
		BT EMBRYO	
		LEAVES	
CITRULLINE	B	COUMARINS	B
BT AMINO ACIDS		BT AROMATICS	
		GROWTH INHIBITORS	
CLEISTOGAMY	B		
SN The condition of having		CREATINE	B
flowers which never open		BT AMINO ACIDS	
and are self-pollinated			
BT SELF POLLINATION			
CLONING	BC	CREATININE	B
BT ASEXUAL REPRODUCTION		BT AMINO ACIDS	
VEGETATIVE PROPAGATION			
RT CLONES		CROP GROWTH RATE	B
		UF CGR	
		BT GROWTH ANALYSIS	
COBALT	B		
BT ELEMENTS		CROSS POLLINATION	B
		BT POLLINATION	
COENZYMES	B		
BT ENZYMES		CUTICLE	B
RT VITAMINS		BT PLANT TISSUES	
COLCHICINE	BE	CYSTEINE	B
BT ALKALOIDS		BT AMINO ACIDS	
MUTAGENS			

CYSTINE	B	DARK RESPIRATION	B
BT AMINO ACIDS		BT RESPIRATION	
CYTIDINE	B	DARKNESS	B
BT NUCLEOSIDES		BT LIGHT	
CYTOKININS	B	DAYLIGHT	B
UF Phytokinins		UF Natural light	
BT PLANT GROWTH SUBSTANCES		BT LIGHT	
NT ADENINE			
BA			
KINETIN		DEHISCENCE	B
RT ANTIMETABOLITES		BT PLANT DEVELOPMENTAL STAGES	
		RT SEED DISPERSAL	
		SEEDS	
CYTOLOGY	B		
BT BIOLOGY		DELAYED POLLINATION	B
RT CELL MEMBRANE PHYSIOLOGY		BT POLLINATION	
CELL STRUCTURE			
CELLS			
CYTOGENETICS		DETERMINATE GROWTH	B
		BT GROWTH	
CYTOPLASM	B		
BT PROTOPLASM		DEVELOPMENTAL STAGES	P
RT NUCLEOPLASM		UF Growth stages	
		NT ANIMAL DEVELOPMENTAL	
		STAGES	
CYTOPLASMIC MALE STERILITY	B	PLANT DEVELOPMENTAL STAGES	
BT MALE STERILITY		RT BIOLOGICAL DEVELOPMENT	
RT CYTOSTERILITY BACKCROSSES			
HYBRID PRODUCTION			
CYTOPLASMIC ORGANELLES	B	DICALCIUM PHOSPHATE	BF
BT CELL STRUCTURE		BT PHOSPHATE FERTILIZERS	
NT ENDOPLASMIC RETICULUM			
GOLGI APPARATUS		DIFFERENTIATION	B
MITOCHONDRIA		BT BIOLOGICAL DEVELOPMENT	
PLASTIDS		RT EMBRYONIC DEVELOPMENT	
VACUOLES		PLANT ANATOMY	
CYTOSINE	B	DIMENSIONS	B
BT PYRIMIDINE BASES		UF Size	
		BT CHEMICOPHYSICAL PROPERTIES	
DARK REACTIONS	B		
BT PHOTOSYNTHESIS		DIPLOIDS	B
		BT CHROMOSOME NUMBER	

DNA	B	EDAPHIC FACTORS	B
UF Deoxyribonucleic acid		SN Relating to soil influences on the growth of plants	
BT NUCLEIC ACIDS		BT PLANT ECOLOGY	
RT CHROMOSOMES		RT RHIZOSPHERE	
RNA			
DNOC	B	ELEMENTS	B
UF Dinitro-o-cresol		NT ALUMINIUM	
DNC		BORON	
Methyl dinitrophenol		BROMINE	
BT ANTIMETABOLITES		CALCIUM	
AROMATICS		CARBON	
		CHLORINE	
DORMANCY	B	COBALT	
BT PLANT DEVELOPMENTAL STAGES		COPPER	
RT DORMANCY BREAKERS		FLUORINE	
GERMINABILITY		HYDROGEN	
HARD SEEDEDNESS		IODINE	
RESTING		IRON	
		MAGNESIUM	
DORMANCY BREAKERS	B	MANGANESE	
BT PLANT GROWTH SUBSTANCES		MERCURY	
RT DORMANCY		MOLYBDENUM	
GERMINATION		NICKEL	
		NITROGEN	
EARLY MATURATION	BC	OXYGEN	
UF Earliness		PHOSPHORUS	
BT BREEDING AIMS		POTASSIUM	
MATURATION		SILICON	
RT FORCING		SODIUM	
		SULPHUR	
ECOLOGY	B	TRACE ELEMENTS	
SN The study of the interrelationships between living organisms and their environment		ZINC	
NT ANIMAL ECOLOGY		RT MINERALS	
PLANT ECOLOGY		NUTRIENT CONTENT	
RT BIOGEOGRAPHY			
BIOLOGY		EMBRYO	B
ENVIRONMENT		BT SEEDS	
SYMBIOSIS		NT COTYLEDONS	
		PLACENTA	
		PLUMULE	
		RADICLE	
		EMBRYONIC DEVELOPMENT	B
		UF Development (embryonic)	
		Embryology	
		BT BIOLOGICAL DEVELOPMENT	
		NT MORPHOGENESIS	
		RT DIFFERENTIATION	

EMERGENCE	B	FATTY ACIDS	B
BT PLANT DEVELOPMENTAL STAGES		BT ORGANIC ACIDS	
RT GERMINATION		NT FREE FATTY ACIDS	
SEEDLINGS		SATURATED FATTY ACIDS	
		UNSATURATED FATTY ACIDS	
ENDOPLASMIC RETICULUM	B	RT FATS	
UF ER		LIPIDS	
BT CYTOPLASMIC ORGANELLES			
RT GOLGI APPARATUS		FERTILITY	B
		BT REPRODUCTION	
ENDOSPERM	B	RT STERILITY	
BT SEEDS			
ENTOMOLOGY	B	FERTILIZATION	B
BT ZOOLOGY		SN Union of gametes to	
		produce zygote	
ENZYME PRECURSORS	B	BT REPRODUCTION	
BT ENZYMES		NT SELF FERTILIZATION	
		RT GAMETES	
ENZYMES	B	POLLINATION	
BT ORGANIC COMPOUNDS		ZYGOTES	
NT COENZYMES			
ENZYME PRECURSORS		FLAVOUR	B
HYDROLASES		UF Flavor	
TRANSFERASES		Taste	
EPIDERMIS	B	BT ORGANOLEPTIC PROPERTIES	
BT PLANT TISSUES			
ERECTNESS	B	FLORETS	B
BT PLANT HABIT		BT SPIKELETS	
ETHEPHON	B	FLORIGENS	B
BT PLANT GROWTH SUBSTANCES		SN Chemicals that stimulate	
RT ETHYLENE		flowering	
ETHYLENE	B	BT FLOWER INDUCTION	
BT PLANT GROWTH SUBSTANCES			
RT ETHEPHON		FLOWER INDUCTION	B
MATURATION		UF Floral initiation	
EXCRETION	B	Induced flowering	
BT PHYSIOLOGY		BT FLOWERING	
		NT BOLTING	
		FLORIGENS	
		PHOTOPERIODISM	
		THERMAL PERIODICITY	
		VERNALIZATION	

FLOWERING	B	FRUITING	B
UF Anthesis		UF Fruit development	
BT PLANT DEVELOPMENTAL STAGES		BT PLANT DEVELOPMENTAL STAGES	
NT FLOWER INDUCTION		NT FRUIT SETTING	
RT FLOWERS		RT FLOWERING	
FRUITING		FRUIT	
FLOWERS	B	GA	B
BT INFLORESCENCES		UF Gibberellic acid	
NT ANDROECIUM		Gibberellins	
CALYX		BT PLANT GROWTH SUBSTANCES	
COROLLA			
GYNOCIDIUM			
RT FLOWERING			
FLUORINE	B	GALACTOSE	B
BT ELEMENTS		BT SUGARS	
FOLIC ACID	B	GALACTOSIDASES	B
BT B VITAMINS		BT HYDROLASES	
FREE FATTY ACIDS	B	GAMETES	B
BT FATTY ACIDS		BT REPRODUCTION	
		RT FERTILIZATION	
		OVULES	
		POLLEN	
		ZYGOTES	
FRUCTOSE	B	GAMMA RADIATION	B
BT SUGARS		BT RADIATIONS	
FRUIT	B	GASES	B
SN Fruit botanically; for		BT PHYSICAL STATES	
fruit economically see		NT AIR	
FRUITS and FRUIT		OZONE	
VEGETABLES			
BT PLANT ANATOMY		GERMINABILITY	B
NT PODS		BT GERMINATION	
RT FRUITING		RT DORMANCY	
SEEDS		SEED TESTING	
FRUIT SETTING	B	GERMINATION	B
UF Pod setting		BT PLANT DEVELOPMENTAL STAGES	
Seed setting		NT GERMINABILITY	
Setting (fruit or seed)		POLLEN GERMINATION	
BT FRUITING		RT DORMANCY BREAKERS	
		EMERGENCE	
		GERMINATION INHIBITORS	
		SCARIFICATION	

GERMINATION INHIBITORS	B	GROWTH	B
BT PLANT GROWTH SUBSTANCES		UF Growth habit	
RT GERMINATION		BT BIOLOGICAL DEVELOPMENT	
GROWTH INHIBITORS		NT DETERMINATE GROWTH	
		GROWTH ANALYSIS	
		INDETERMINATE GROWTH	
		PRIMARY GROWTH	
		SECONDARY GROWTH	
		VEGETATIVE GROWTH	
GLANDS	B	RT CELL DIVISION	
BT PLANT ANATOMY		STEM ELONGATION	
NT NECTARIES		TROPISMS	
RT PLANT SECRETIONS			
SECRETION			
GLUCOSE	B	GROWTH ANALYSIS	B
BT SUGARS		BT GROWTH	
		NT CROP GROWTH RATE	
GLUCOSIDASES	B	GROWTH INHIBITORS	B
BT HYDROLASES		UF Inhibitors (plant growth)	
		Retardants (plant growth)	
		BT PLANT GROWTH SUBSTANCES	
		NT ABA	
		COUMARINS	
		LACTONES	
		MH	
		MORPHACTINS	
		SADH	
		TIBA	
		RT APICAL DOMINANCE	
		GERMINATION INHIBITORS	
GLUTAMIC ACID	B		
BT AMINO ACIDS			
GLUTAMINE	B		
BT AMINO ACIDS			
GLUTEN	B		
BT PROTEINS			
GLYCERIDES	B	GUANINE	B
BT LIPIDS		BT PURINE BASES	
GLYCINE	B	GUANOSINE	P
BT AMINO ACIDS		BT NUCLEOSIDES	
GOLGI APPARATUS	B	GYNOECIUM	B
BT CYTOPLASMIC ORGANELLES		BT FLOWERS	
RT ENDOPLASMIC RETICULUM		NT PISTILS	
GROWING MEDIA	B	HAPLOIDS	B
UF Culture media		BT CHROMOSOME NUMBER	
NT ROOTING MEDIA			

HEAD FORMATION	B	HYDROLASES	R
SN The period in plant development when the inflorescence becomes visible		BT ENZYMES	
UF Heading		NT ACID PHOSPHATASE	
BT PLANT DEVELOPMENTAL STAGES		CELLULASE	
NT HEADING EFFICIENCY		GALACTOSIDASES	
HEADING RATE		GLUCOSIDASES	
RT COMPACT HEADS		PEPTIDASES	
		PROTEASES	
		UREASE	
HEADING EFFICIENCY	B	HYDROXIDES	R
BT HEAD FORMATION		BT SALTS	
RT HEADING RATE			
HEADING RATE	B	HYDROXY COMPOUNDS	R
BT HEAD FORMATION		BT ORGANIC COMPOUNDS	
RT HEADING EFFICIENCY		NT ALCOHOLS	
HELMINTHOLOGY	B	HYDROXYPROLINE	R
BT ZOOLOGY		BT AMINO ACIDS	
HISTIDINE	B	IAA	R
BT AMINO ACIDS		UF Indoleacetic acid	
		BT AUXINS	
HORMONES	B	IBA	R
BT ORGANIC COMPOUNDS		UF Indolebutyric acid	
NT PHEROMONES		BT AUXINS	
RT HORMONE SPRAYS			
PLANT GROWTH SUBSTANCES		INDETERMINATE GROWTH	R
		BT GROWTH	
HUMIDITY	B	INFLORESCENCES	R
UF Relative humidity		BT PLANT ANATOMY	
BT ENVIRONMENTAL CONDITIONS		NT FLOWERS	
		PEDICELS	
HYDROCARBONS	B	SPIKELETS	
BT ORGANIC COMPOUNDS		RT SPOROPOHORES	
NT METHANE			
HYDROGEN	B	INORGANIC ACIDS	R
BT ELEMENTS		UF Acid (inorganic)	
		BT INORGANIC COMPOUNDS	

INORGANIC COMPOUNDS	B	LARVAE	B
NT AMMONIA		UF Grubs	
INORGANIC ACIDS		Instars	
SALTS		BT ANIMAL DEVELOPMENTAL	
RT AGRICULTURAL CHEMICALS		STAGES	
CHEMISTRY			
MINERALS			
ORGANIC COMPOUNDS		LEAF ANGLE	B
		BT PLANT HABIT	
INTERNODES	B		
BT STEMS		LEAF AREA INDEX	B
		UF LAI	
		RT LEAVES	
INTERSPECIFIC STERILITY	B		
BT STERILITY		LEAF PUBESCENCE	B
RT BREEDING BARRIERS		BT PLANT HAIRS	
IODINE	B		
BT ELEMENTS		LEAVES	B
		BT PLANT ANATOMY	
		NT BRACTS	
IRON	B	COTYLEDONS	
BT ELEMENTS		PETIOLES	
		STOMATA	
		TENDRILS	
		RT LEAF AREA INDEX	
ISOLATION	B		
SN Of chemicals or		LIGHT	B
microorganisms		NT ARTIFICIAL LIGHT	
RT CHEMISTRY		DARKNESS	
IDENTIFICATION		DAYLIGHT	
ISOLATION TECHNIQUE		LIGHT INTENSITY	
		LIGHT QUALITY	
KETONES	B	LIGHT REGIMES	
BT ORGANIC COMPOUNDS		RT ENVIRONMENTAL CONDITIONS	
		PHOTOSENSITIVITY	
KINETIN	B	RADIATIONS	
BT CYTOKININS			
		LIGHT INTENSITY	B
LACTONES	B	BT LIGHT	
BT GROWTH INHIBITORS		RT LIGHT QUALITY	
LACTOSE	B	LIGHT QUALITY	B
BT SUGARS		UF Photosynthetic action	
		spectrum	
		BT LIGHT	
		RT LIGHT INTENSITY	

LIGHT REACTIONS	B	MALE STERILITY	B
BT PHOTOSYNTHESIS		BT STERILITY	
		NT CYTOPLASMIC MALE STERILITY	
LIGHT REGIMES	B	MALTOSE	B
BT LIGHT		BT SUGARS	
LIGNIFICATION	B	MANGANESE	B
BT BIOLOGICAL DEVELOPMENT		BT ELEMENTS	
RT LIGNINS			
LIGNINS	B	MANNOSE	B
BT CELLULOSES		BT SUGARS	
RT LIGNIFICATION			
LINOLEIC ACID	B	MASS	B
BT UNSATURATED FATTY ACIDS		BT CHEMICOPHYSICAL PROPERTIES	
		NT BIOMASS	
LINOLENIC ACID	B	MATURATION	B
BT UNSATURATED FATTY ACIDS		UF Ripening	
		BT BIOLOGICAL DEVELOPMENT	
		NT EARLY MATURATION	
LIPIDS	B	RT ETHYLENE	
BT ORGANIC COMPOUNDS			
NT GLYCERIDES		MCPA	B
PHOSPHOLIPIDS		UF Methyl	
RT FATS		chlorophenoxyacetic acid	
FATTY ACIDS		BT AUXINS	
NUTRIENT CONTENT			
LONG DAY	B	MECHANICAL PROPERTIES	B
BT PHOTOPERIOD		BT CHEMICOPHYSICAL PROPERTIES	
LONGEVITY	B	MEIOSIS	B
BT AGING		UF Reduction division	
NT SEED LONGEVITY		BT CELL DIVISION	
RT AGE			
LYSINE	B	MERCURY	B
BT AMINO ACIDS		BT ELEMENTS	
MAGNESIUM	B	MERISTEMS	B
BT ELEMENTS		BT PLANT TISSUES	
		NT APICAL MERISTEMS	
		RT CELL DIVISION	
		MERISTEM CULTURE	

MESOPHYLL	B	MONOSOMICS	B
BT PARENCHYMA		BT ANEUPLOIDY	
METABOLISM	B	MORPHACTINS	B
BT PHYSIOLOGY		BT GROWTH INHIBITORS	
NT ANABOLISM			
CATABOLISM			
RT ANTIMETABOLITES		MORPHOGENESIS	B
ASSIMILATION		BT EMBRYONIC DEVELOPMENT	
BIOCHEMICAL PATHWAYS		NT PHOTOMORPHOGENESIS	
METABOLIC DISORDERS		RT PLANT MORPHOLOGY	
NUTRITION PHYSIOLOGY			
METHANE	BC	MYCELIUM	B
UF Biogas		BT PLANT ANATOMY	
BT FUELS		RT MYCORRHIZAE	
HYDROCARBONS			
METHIONINE	B	MYCORRHIZAE	B
BT AMINO ACIDS		SN A symbiotic, largely non-pathogenic association between a fungus and the roots of a plant	
MH	B	RT FUNGI	
UF Maleic hydrazide		MYCELIUM	
BT GROWTH INHIBITORS		ROOTS	
MICROBIOLOGY	B	NAA	B
BT BIOLOGY		UF Naphthylacetic acid	
NT BACTERIOLOGY		BT AUXINS	
VIROLOGY			
RT MICROORGANISMS		NAPHTHALENE ACETAMIDE	B
MINERALS	B	BT AUXINS	
RT ELEMENTS			
INORGANIC COMPOUNDS		NAPHTHENIC ACID	B
NUTRIENT CONTENT		BT AUXINS	
MITOCHONDRIA	B	NAPHTHOXYACETIC ACID	B
BT CYTOPLASMIC ORGANELLES		BT AUXINS	
MITOSIS	B	NECTAR	B
BT CELL DIVISION		BT PLANT SECRETIONS	
		RT NECTARIES	
MOLYBDENUM	B		
BT ELEMENTS			

NECTARIES	B	NUCLEIC COMPOUNDS	B
BT GLANDS		BT ORGANIC COMPOUNDS	
RT NECTAR		NT NUCLEIC ACIDS	
		NUCLEOSIDES	
		NUCLEOTIDES	
NET ASSIMILATION RATE	BE	PURINE BASES	
BT ASSIMILATION		PYRIMIDINE BASES	
		RT PROTEINS	
NICKEL	B	NUCLEOLUS	B
BT ELEMENTS		BT NUCLEUS	
NICOTINAMIDE	B	NUCLEOPLASM	B
UF Niacin		BT PROTOPLASM	
BT B VITAMINS		RT CYTOPLASM	
NICOTINE	B	NUCLEOPROTEINS	B
BT ALKALOIDS		BT PROTEINS	
NITRATES	B	NUCLEOSIDES	B
BT SALTS		BT NUCLEIC COMPOUNDS	
		NT ADENOSINE	
NITROGEN	B	CYTIDINE	
UF N		GUANOSINE	
BT ELEMENTS		THYMIDINE	
		URIDINE	
NITROGEN FIXATION	B	NUCLEOTIDES	B
BT PHYSIOLOGY		BT NUCLEIC COMPOUNDS	
RT INOCULATION		RT NUCLEIC ACIDS	
NITROGEN-FIXING BACTERIA			
ROOT NODULATION			
NODES	B	NUCLEUS	B
BT STEMS		BT CELL STRUCTURE	
		NT CHROMOSOMES	
		NUCLEOLUS	
		RT CELL DIVISION	
NUCELLUS	B	PROTOPLASM	
BT OVULES			
NUCLEIC ACIDS	B	NULLISOMICS	B
BT NUCLEIC COMPOUNDS		BT ANEUPLOIDY	
NT DNA			
RNA		NUTRIENT TRANSPORT	BE
RT NUCLEOTIDES		BT NUTRITION PHYSIOLOGY	
		RT NUTRIENT UPTAKE	
		OSMOSIS	
		TRANSLOCATION	

NUTRIENT UPTAKE	BE	ORGANIC COMPOUNDS	B
BT NUTRITION PHYSIOLOGY		NT ALDEHYDES	
RT ABSORPTION		ALKALOIDS	
NUTRIENT TRANSPORT		AMMONIUM COMPOUNDS	
WATER UPTAKE		AROMATICS	
		CARBOHYDRATES	
		ENZYMES	
NUTRITION PHYSIOLOGY	BE	HORMONES	
BT NUTRITION		HYDROCARBONS	
PHYSIOLOGY		HYDROXY COMPOUNDS	
NT ASSIMILATION		KETONES	
NUTRIENT TRANSPORT		LIPIDS	
NUTRIENT UPTAKE		NUCLEIC COMPOUNDS	
RT BIOSYNTHESIS		ORGANIC ACID SALTS	
METABOLISM		ORGANIC ACIDS	
WATER UPTAKE		PROTEINS	
		PURINES	
		PYRIMIDINES	
OLEIC ACID	B	STERIODS	
BT UNSATURATED FATTY ACIDS		UREA	
		VITAMINS	
		RT AGRICULTURAL CHEMICALS	
OPEN POLLINATION	B	CHEMISTRY	
BT POLLINATION		INORGANIC COMPOUNDS	
OPTICAL PROPERTIES	B	ORGANOLEPTIC PROPERTIES	B
BT CHEMICOPHYSICAL PROPERTIES		BT CHEMICOPHYSICAL PROPERTIES	
NT COLOUR		NT FLAVOUR	
		PALATABILITY	
		SMELL	
ORGANIC ACID SALTS	B		
BT ORGANIC COMPOUNDS		ORNITHINE	B
		BT AMINO ACIDS	
ORGANIC ACIDS	B		
UF Acid (organic)		ORTHONIL	B
BT ORGANIC COMPOUNDS		BT AUXINS	
NT AMINO ACIDS			
CITRIC ACID		OSMOSIS	B
FATTY ACIDS		BT PHYSIOLOGY	
		RT NUTRIENT TRANSPORT	
		TRANSLOCATION	
		WATER UPTAKE	
		OVARIES	B
		BT PISTILS	
		NT OVULES	

OVULES	B	PARTHENOGENESIS	B
BT OVARIES		SN Development of gamete	
NT NUCELLUS		into a new plant without	
RT GAMETES		fertilization	
		BT ASEXUAL REPRODUCTION	
		RT APOMIXIS	
OXIDATION	B	PEDICELS	B
BT CHEMICOPHYSICAL PROPERTIES		BT INFLORESCENCES	
RT OXYGEN			
OXIDES	B	PEPTIDASES	B
BT SALTS		BT HYDROLASES	
NT CARBON DIOXIDE			
OXYGEN	B	PERMEABILITY	B
BT ELEMENTS		BT CHEMICOPHYSICAL PROPERTIES	
RT OXIDATION		RT CELL MEMBRANE PHYSIOLOGY	
OZONE	B	PETIOLES	B
BT GASES		BT LEAVES	
RT OXYGEN			
PALATABILITY	B	PH	B
BT ORGANOLEPTIC PROPERTIES		UF Acidity	
RT EATING QUALITY		Alkalinity	
		BT CHEMICOPHYSICAL PROPERTIES	
		NT ACID BASE EQUILIBRIUM	
PALMITIC ACID	B	PHENYLALANINE	B
BT SATURATED FATTY ACIDS		BT AMINO ACIDS	
PANTOTHENIC ACID	B	PHEROMONES	B
BT B VITAMINS		BT HORMONES	
		RT SEX ATTRACTANTS	
PARENCHYMA	B	PHLOEM	B
BT PLANT TISSUES		BT VASCULAR BUNDLES	
NT MESOPHYLL			
PARTHENOCARPY	B	PHOSPHATE FERTILIZERS	BE
SN Producing fruit without		BT FERTILIZERS	
seeds		PHOSPHATES	
BT ASEXUAL REPRODUCTION		NT DICALCIUM PHOSPHATE	
		SUPERPHOSPHATE	

PHOSPHATES	B	PHOTOSYNTHESIS	B
BT SALTS		BT BIOSYNTHESIS	
NT PHOSPHATE FERTILIZERS		NT DARK REACTIONS	
		LIGHT REACTIONS	
PHOSPHOLIPIDS	B	RT CHLOROPLASTS	
BT LIPIDS		PHOTOCHEMISTRY	
PHOSPHORUS	B	PHYSICAL STATES	B
UF P		NT GASES	
BT ELEMENTS			
PHOTOCHEMISTRY	B	PHYSIOLOGY	B
BT CHEMISTRY		UF Physiological functions	
RT BIOCHEMISTRY		NT ADAPTATION	
PHOTORESPIRATION		AGING	
PHOTOSYNTHESIS		BIOLOGICAL DEVELOPMENT	
		BIOSYNTHESIS	
PHOTOMORPHOGENESIS	B	CELL DIVISION	
BT MORPHOGENESIS		CELL MEMBRANE PHYSIOLOGY	
		EXCRETION	
PHOTOPERIOD	B	METABOLISM	
UF Dark period		NITROGEN FIXATION	
Daylength		NUTRITION PHYSIOLOGY	
BT PHOTOPERIODISM		OSMOSIS	
NT LONG DAY		PHOTOPERIODISM	
SHORT DAY		REPRODUCTION	
PHOTOPERIODISM	B	RESPIRATION	
UF Photoperiodicity		RESTING	
BT FLOWER INDUCTION		SECRETION	
PHYSIOLOGY		TRANSLOCATION	
NT PHOTOPERIOD		TRANSPIRATION	
RT VERNALIZATION		TROPISMS	
		WATER BALANCE	
PHOTORESPIRATION	B	WATER UPTAKE	
BT RESPIRATION		RT BIOCHEMISTRY	
RT PHOTOCHEMISTRY		BIOLOGY	
PHOTOSENSITIVITY	B	PHYTOCHROME	B
BT CHEMICOPHYSICAL PROPERTIES		BT PIGMENTS	
RT LIGHT			
		PIGMENTS	B
		UF Photosynthetic pigments	
		NT CAROTENOIDS	
		CHLOROPHYLLS	
		PHYTOCHROME	
		XANTHOPHYLLS	

PISTILS	B	PLANT ECOLOGY	B
UF Carpels		BT BOTANY	
Stigmas		ECOLOGY	
Styles		NT EDAPHIC FACTORS	
BT GYNOECIUM			
NT OVARIES			
PLACENTA	B	PLANT GROWTH SUBSTANCES	B
BT EMBRYO		UF Hormones (plant)	
		Plant hormones	
		NT ANTIMETABOLITES	
		AUXINS	
		CYTOKININS	
		DORMANCY BREAKERS	
		ETHEPHON	
		ETHYLENE	
		GA	
		GERMINATION INHIBITORS	
		GROWTH INHIBITORS	
		RT AGRICULTURAL CHEMICALS	
		HORMONE SPRAYS	
		HORMONES	
PLANT ANATOMY	B	PLANT HABIT	B
UF Anatomy (plant)		UF Growth habit	
NT BUDS		BT PLANT MORPHOLOGY	
CANOPY		NT CANOPY SHAPE	
FRUIT		ERECTNESS	
GLANDS		LEAF ANGLE	
INFLORESCENCES		RT DWARFS	
LEAVES			
MYCELIUM			
PLANT HAIRS			
PLANT VASCULAR SYSTEM			
ROOTS			
SAP			
SEEDS			
SPORES			
SPOROPHORES			
STEMS			
RT DIFFERENTIATION			
PLANT MORPHOLOGY			
PLANT SECRETIONS			
PLANT TISSUES			
PLANT DEVELOPMENTAL STAGES	B	PLANT HAIRS	B
BT DEVELOPMENTAL STAGES		UF Trichomes	
NT ABSCISSION		BT PLANT ANATOMY	
BRANCHING		NT LEAF PUBESCENCE	
DEHISCENCE		ROOT HAIRS	
DORMANCY			
EMERGENCE			
FLOWERING			
FRUITING			
GERMINATION			
HEAD FORMATION			
ROOTING			
SEED DISPERSAL			
SEEDLINGS			
SPORES			
STEM ELONGATION			
TILLERING			
ZYGOTES			
		PLANT MORPHOLOGY	B
		UF Architecture (plant)	
		Plant architecture	
		Plant structure	
		Structure (plant)	
		NT PLANT HABIT	
		RT MORPHOGENESIS	
		PLANT ANATOMY	
		PLANT PATHOLOGY	BD
		BT BOTANY	
		PATHOLOGY	

PLANT SECRETIONS	B	POLLEN	B
NT NECTAR		BT ANTHERS	
RT ALLELOPATHY		NT POLLEN TUBES	
GLANDS		RT GAMETES	
PLANT ANATOMY		POLLINATION	
SECRETION			
PLANT TISSUES	B	POLLEN GERMINATION	B
NT COLLENCHYMA		BT GERMINATION	
CORTEX		RT POLLEN TUBES	
CUTICLE		POLLINATION	
EPIDERMIS			
MERISTEMS		POLLEN TUBES	B
PARENCHYMA		BT POLLEN	
SCLERENCHYMA		RT POLLEN GERMINATION	
VASCULAR TISSUES			
RT PLANT ANATOMY		POLLINATION	B
TISSUE CULTURE		BT REPRODUCTION	
		NT CROSS POLLINATION	
PLANT VASCULAR SYSTEM	B	DELAYED POLLINATION	
UF Vascular system (plant)		OPEN POLLINATION	
BT PLANT ANATOMY		SELF POLLINATION	
NT VASCULAR TISSUES		RT FERTILIZATION	
RT TRANSLOCATION		POLLEN	
		POLLEN GERMINATION	
PLANT VEINS	B	POLYPLOIDS	B
UF Veins (plant)		BT CHROMOSOME NUMFER	
BT VASCULAR BUNDLES		RT INDUCED POLYPLCIDY	
PLASMALEMMA	B	POLYSACCHARIDES	B
BT CELL MEMBRANES		BT CARBOHYDRATES	
RT TONOPLAST		NT CELLULOSES	
		CHITIN	
PLASTIDS	B	STARCH	
BT CYTOPLASMIC ORGANELLES		POTASSIUM	B
NT CHLOROPLASTS		UF K	
PLUMULE	B	BT FLEMENTS	
UF Young shoot (seed)			
BT EMBRYO		POTASSIUM CHLORIDE	B
		BT CHLORIDES	
PODS	B		
BT FRUIT			
RT POD CHARACTERS			

PRESSURE	B	PYRIMIDINE BASES	B
BT CHEMICOPHYSICAL PROPERTIES		BT NUCLEIC COMPOUNDS	
NT APPLIED PRESSURE		NT CYTOSINE	
ROOT PRESSURE		THYMINE	
TURGOR PRESSURE		URACIL DERIVATIVES	
		RT PYRIMIDINES	
PRIMARY GROWTH	B	PYRIMIDINES	B
BT GROWTH		BT ORGANIC COMPOUNDS	
		NT URACIL	
PROLINE	B	RT PYRIMIDINE BASES	
BT AMINO ACIDS			
PROTEASES	B	RADIATIONS	B
BT HYDROLASES		BT RADIOACTIVITY	
		NT GAMMA RADIATION	
		RT LIGHT	
PROTEINS	B	RADICLE	B
BT ORGANIC COMPOUNDS		UF Young root (seed)	
NT GLUTEN		BT EMBRYO	
NUCLEOPROTEINS			
RT NUCLEIC COMPOUNDS			
NUTRIENT CONTENT			
PROTOPLASM	B	RADIOACTIVITY	B
BT CELL STRUCTURE		BT CHEMICOPHYSICAL PROPERTIES	
NT CYTOPLASM		NT RADIATIONS	
NUCLEOPLASM			
RT NUCLEUS		REDUCTION	B
		BT CHEMICOPHYSICAL PROPERTIES	
		NT ACETYLENE REDUCTION	
PURINE BASES	B	REPRODUCTION	B
BT NUCLEIC COMPOUNDS		UF Reproductive physiology	
NT ADENINE		BT PHYSIOLOGY	
GUANINE		NT ASEXUAL REPRODUCTION	
RT PURINES		FERTILITY	
		FERTILIZATION	
PURINES	B	GAMETES	
BT ORGANIC COMPOUNDS		POLLINATION	
NT XANTHOPHYLLS		STERILITY	
RT PURINE BASES		RT PLANT BREEDING	
		PLANT PROPAGATION	
PYRIDOXINE	B	RESPIRATION	B
BT B VITAMINS		BT PHYSIOLOGY	
		NT DARK RESPIRATION	
		PHOTORESPIRATION	
		RT CATABOLISM	

RESTING	B	ROOTING	R
BT PHYSIOLOGY		UF Root formation	
RT DORMANCY		BT PLANT DEVELOPMENTAL STAGES	
		RT LAYERING	
		ROOTING MEDIA	
		ROOTS	
RHEOLOGICAL PROPERTIES	B		
BT CHEMICOPHYSICAL PROPERTIES			
		ROOTING MEDIA	B
RHIZOMES	B	BT GROWING MEDIA	
BT STEMS		RT ROOTING	
RIBOFLAVIN	B	ROOTS	B
UF Vitamin B2		BT PLANT ANATOMY	
BT B VITAMINS		NT ROOT CAP	
		ROOT HAIRS	
		RT MYCORRHIZAE	
		RHIZOSPHERE	
		ROOTING	
		TUBERS	
RIBOSE	B		
BT SUGARS			
RIBOSOMES	B	SADH	B
BT CELL STRUCTURE		UF Dimethylaminosuccinamic	
RT RNA		acid	
		BT GROWTH INHIBITORS	
RNA	B		
UF Ribonucleic acid			
BT NUCLEIC ACIDS		SALINITY	B
RT DNA		BT CHEMICOPHYSICAL PROPERTIES	
RIBOSOMES			
ROOT CAP	B	SALTS	B
BT ROOTS		BT INORGANIC COMPOUNDS	
		NT CARBONATES	
		CHLORIDES	
		HYDROXIDES	
ROOT HAIRS	B	NITRATES	
BT PLANT HAIRS		OXIDES	
ROOTS		PHOSPHATES	
		SULPHATES	
ROOT NODULATION	B	SAP	B
UF Nodule formation		BT PLANT ANATOMY	
Promiscuous nodulation		RT TRANSLOCATION	
BT SOIL BIOLOGY			
RT INOCULATION			
NITROGEN FIXATION			
		SARCOSINE	B
		BT AMINO ACIDS	
ROOT PRESSURE	B		
BT PRESSURE			

SATURATED FATTY ACIDS	B	SEEDS	B
BT FATTY ACIDS		SN Seeds as a phase in the	
NT PALMITIC ACID		life-history of a plant;	
STEARIC ACID		use SEED for material for	
		plant propagation	
SCLERENCHYMA	B	BT PLANT ANATOMY	
BT PLANT TISSUES		NT EMBRYO	
		ENDOSPERM	
		TESTA	
SEASONALITY	B	RT DEHISCENCE	
RT BIOLOGICAL RHYTHMS		FRUIT	
		SEED DISPERSAL	
SECONDARY GROWTH	B	SELF FERTILIZATION	B
BT GROWTH		BT FERTILIZATION	
		RT SELF INCOMPATIBILITY	
		SELF POLLINATION	
SECRETION	B	SELF POLLINATION	B
BT PHYSIOLOGY		BT POLLINATION	
RT GLANDS		NT BUD POLLINATION	
PLANT SECRETIONS		CLEISTOGAMY	
SEED DISPERSAL	B	RT SELF FERTILIZATION	
BT PLANT DEVELOPMENTAL STAGES		SELFING	
RT DEHISCENCE			
SEEDS			
SEED LONGEVITY	B	SERINE	B
BT LONGEVITY		BT AMINO ACIDS	
RT SEED STORAGE			
SEED TESTING		SHORT DAY	B
		BT PHOTOPERIOD	
SEEDLINGS	B	SILICON	B
BT PLANT DEVELOPMENTAL STAGES		BT ELEMENTS	
RT EMERGENCE			
SEEDLING CULTURE		SMELL	B
SPROUTS		BT ORGANOLEPTIC PROPERTIES	
		SODIUM	B
		BT ELEMENTS	
		SOIL AIR RELATIONS	B
		BT SOIL CHEMICOPHYSICAL	
		PROPERTIES	

SOIL BIOLOGY	B	SOIL TEXTURE	B
BT BIOLOGY		BT SOIL CHEMICOPHYSICAL	
NT ROOT NODULATION		PROPERTIES	
SOIL FAUNA		TEXTURE	
SOIL FLORA		RT TEXTURAL SOIL TYPES	
RT SOIL CHEMISTRY			
SOIL SCIENCES			
		SOIL WATER	B
		BT WATER	
SOIL CHEMICOPHYSICAL PROPERTIES	B		
BT CHEMICOPHYSICAL PROPERTIES		SPIKELETS	B
NT SOIL AIR RELATIONS		BT INFLORESCENCES	
SOIL DENSITY		NT FLORETS	
SOIL STRUCTURE			
SOIL TEXTURE			
		SPORES	B
SOIL CHEMISTRY	B	BT PLANT ANATOMY	
BT CHEMISTRY		PLANT DEVELOPMENTAL STAGES	
RT SOIL BIOLOGY		RT FUNGI	
		SPOROPHORES	
SOIL DENSITY	B		
BT SOIL CHEMICOPHYSICAL		SPOROPHORES	B
PROPERTIES		BT PLANT ANATOMY	
NT SOIL COMPACTION		RT INFLORESCENCES	
RT SOIL STRUCTURE		SPORES	
SOIL FAUNA	B	STAMENS	B
BT SOIL BIOLOGY		UF Filaments	
RT PROTOZOA		BT ANDROECIUM	
RHIZOSPHERE		NT ANTHERS	
SOIL FLORA	B	STARCH	B
BT SOIL BIOLOGY		BT POLYSACCHARIDES	
RT ALGAE		RT STARCH PRODUCTS	
BACTERIA			
PLANTS			
RHIZOSPHERE			
		STEARIC ACID	B
		BT SATURATED FATTY ACIDS	
SOIL STRUCTURE	B	STEM ELONGATION	B
BT SOIL CHEMICOPHYSICAL		BT PLANT DEVELOPMENTAL STAGES	
PROPERTIES		RT GROWTH	
RT SOIL DENSITY		STEMS	
SOIL ORGANIC MATTER			

STEMS	B	SULPHUR	B
BT PLANT ANATOMY		BT ELEMENTS	
NT INTERNODES			
NODES			
RHIZOMES		SUPERPHOSPHATE	BE
STOLONS		BT PHOSPHATE FERTILIZERS	
TUBERS			
RT BRANCHING		SYMBIONTS	B
STEM ELONGATION		BT SYMBIOSIS	
STERILITY	B	SYMBIOSIS	B
SN Reproductive sterility		UF Mutualism	
BT REPRODUCTION		NT SYMBIONTS	
NT INTERSPECIFIC STERILITY		RT ECOLOGY	
MALE STERILITY			
RT FERTILITY		TENDRILS	B
POLLEN INCOMPATIBILITY		BT LEAVES	
STERILIZATION			
STEROIDS	B	TESTA	B
BT ORGANIC COMPOUNDS		UF Seed coat	
		BT SEEDS	
STOLONS	B	TEXTURE	B
BT STEMS		BT CHEMICOPHYSICAL PROPERTIES	
		NT SOIL TEXTURE	
STOMATA	B		
BT LEAVES		THERMAL PERIODICITY	B
		BT FLOWER INDUCTION	
SUCROSE	B		
BT SUGARS		THERMAL PROPERTIES	B
		BT CHEMICOPHYSICAL PROPERTIES	
SUGARS	B	THIAMIN	B
BT CARBOHYDRATES		UF Vitamin B1	
NT ARABINOSE		BT B VITAMINS	
FRUCTOSE			
GALACTOSE		THREONINE	B
GLUCOSE		BT AMINO ACIDS	
LACTOSE			
MALTOSE		THYMIDINE	B
MANNOSE		BT NUCLEOSIDES	
RIBOSE			
SUCROSE			
XYLOSE			
SULPHATES	B		
BT SALTS			

THYMINE	B	TROPISMS	B
BT PYRIMIDINE BASES		UF Geotropism	
		Nastic movements	
		Phototropism	
TIBA	B	BT PHYSIOLOGY	
UF Triiodobenzoic acid		RT GROWTH	
BT GROWTH INHIBITORS			
TILLERING	B	TRYPTOPHAN	B
SN Production of shoots from		BT AMINO ACIDS	
the crown of a plant			
BT PLANT DEVELOPMENTAL STAGES			
TONOPLAST	B	TUBERS	B
BT CELL MEMBRANES		BT STEMS	
RT PLASMALEMMA		RT ROOTS	
TRACE ELEMENTS	B	TURGOR PRESSURE	B
BT ELEMENTS		BT PRESSURE	
		RT WATER UPTAKE	
		WILTING	
TRACHEIDS	B	TYROSINE	B
BT CELLS		BT AMINO ACIDS	
RT XYLEM			
TRANSFERASES	B	UNSATURATED FATTY ACIDS	B
BT ENZYMES		BT FATTY ACIDS	
		NT LINOLEIC ACID	
		LINOLENIC ACID	
		OLEIC ACID	
TRANSLOCATION	B	URACIL	B
UF Sap flow		BT PYRIMIDINES	
BT PHYSIOLOGY			
RT NUTRIENT TRANSPORT			
OSMOSIS			
PLANT VASCULAR SYSTEM		URACIL DERIVATIVES	B
SAP		BT PYRIMIDINE BASES	
TRANSPIRATION	B	UREA	BE
UF Evapotranspiration		BT NITROGEN FERTILIZERS	
BT PHYSIOLOGY		ORGANIC COMPOUNDS	
RT WATER BALANCE			
WILTING			
TRISOMICS	B	UREASE	B
BT ANEUPLOIDY		BT HYDROLASES	
		URIDINE	B
		BT NUCLEOSIDES	

VACUOLES	B	VITAMIN D	R
BT CYTOPLASMIC ORGANELLES		BT VITAMINS	
VALINE	B	VITAMINS	B
BT AMINO ACIDS		BT ORGANIC COMPOUNDS	
		NT B VITAMINS	
VASCULAR BUNDLES	B	BIOTIN	
BT VASCULAR TISSUES		VITAMIN A	
NT CAMBIUM		VITAMIN C	
PHLOEM		VITAMIN D	
PLANT VEINS		RT COENZYMES	
XYLEM			
		WATER	B
		NT SOIL WATER	
VASCULAR TISSUES	B		
BT PLANT TISSUES		WATER BALANCE	B
PLANT VASCULAR SYSTEM		BT PHYSIOLOGY	
NT VASCULAR BUNDLES		RT TRANSPIRATION	
		WILTING	
VEGETATIVE GROWTH	B		
BT GROWTH		WATER UPTAKE	B
		BT PHYSIOLOGY	
VERNALIZATION	B	RT ABSORPTION	
SN Initiation of flowering in		NUTRIENT UPTAKE	
response to cold treatment		NUTRITION PHYSIOLOGY	
BT FLOWER INDUCTION		OSMOSIS	
RT PHOTOPERIODISM		TURGOR PRESSURE	
VIROLOGY	B	XANTHOPHYLLS	B
BT MICROBIOLOGY		BT PIGMENTS	
NT VIRUS INDEXING		PURINES	
RT VIRUSES			
		XYLEM	B
VIRUS INDEXING	B	BT VASCULAR BUNDLES	
BT VIROLOGY		RT TRACHEIDS	
VITAMIN A	B	XYLOSE	B
BT VITAMINS		BT SUGARS	
VITAMIN B12	B	ZINC	B
BT B VITAMINS		BT ELEMENTS	
VITAMIN C	B		
UF Ascorbic acid			
BT VITAMINS			

ZOOLOGY	B	BACKCROSSING	C
BT BIOLOGY		SN Crossing a hybrid with	
NT ENTOMOLOGY		one of its parents	
HELMINTHOLOGY		BT CROSSBREEDING	
		NT CYTOSTERILITY BACKCROSSES	
		RT BACKCROSS SELECTION	
		TEST CROSSING	
ZYGOTES	B		
BT PLANT DEVELOPMENTAL STAGES			
RT FERTILIZATION			
GAMETES			
ACQUIRED CHARACTERS	C	BOLTING RESISTANCE	CD
UF Characters (acquired)		UF Slow bolting	
BT INHERITANCE		BT RESISTANCE TO INJURIOUS	
RT CHARACTERS		FACTORS	
		RT BOLTING	
AGRONOMIC CHARACTERS	C	BREEDING AIMS	C
UF Characters (agronomic)		UF Breeding objectives	
Characters (horticultural)		BT PLANT BREEDING	
Horticultural characters		NT COMPACT HEADS	
BT CHARACTERS		EARLY MATURATION	
NT HARD SEEDEDNESS		EATING QUALITY	
MORPHOLOGICAL CHARACTERS		HYBRID VIGOUR	
PLANT WEATHERING		PLANT TYPE IMPROVEMENT	
RT PLANT TYPES		RESISTANCE TO INJURIOUS	
		FACTORS	
		SHIPPING ABILITY	
		TRAIT STABILITY	
		UNIFORMITY	
ALLELES	C	WIDE ADAPTABILITY	
BT GENES		YIELD INCREASE	
ANCESTRY	C	BREEDING BARRIERS	C
BT INHERITANCE		BT PLANT BREEDING	
		NT HYBRID BREAKDOWN	
ANIMAL POWER	CE	POLLEN INCOMPATIBILITY	
BT ENERGY SOURCES		SELF INCOMPATIBILITY	
		RT INTERSPECIFIC STERILITY	
		ISOLATION TECHNIQUE	
AXILLARY BUD CULTURE	C	BREEDING LINES	C
BT TISSUE CULTURE		NT INBRED LINES	
RT BUDS		PURE LINES	
		RT PLANT BREEDING	
BACKCROSS SELECTION	C	BUDDING	C
BT SELECTION		SN The union of two	
RT BACKCROSSING		different plants by	
		inserting the bud of one	
		into the stem of the other	
		BT GRAFTING	

BUDS		BC	CONSERVATION	C
BT	PLANT ANATOMY		NT	ENERGY CONSERVATION
	PROPAGATION MATERIALS			RESOURCE CONSERVATION
RT	AXILLARY BUD CULTURE		RT	GENETIC EPOSITION
CHARACTERS		C	CROSS FIXATION	C
UF	Traits		BT	CROSSBREEDING
NT	AGRONOMIC CHARACTERS			
	QUALITATIVE CHARACTERS		CROSSBREEDING	C
	QUANTITATIVE CHARACTERS		UF	Hybridization
	STORAGE TRAITS		BT	PLANT BREEDING
RT	ACQUIRED CHARACTERS		NT	BACKCROSSING
CHIMERAS		C		CROSS FIXATION
UF	Chimaeras			DOUBLE CROSSES
	Somatic mutations			HYBRID PRODUCTION
BT	PLANT TYPES			INTERGENERIC HYBRIDIZATION
RT	MUTANTS			INTERSPECIFIC
				HYBRIDIZATION
				INTRASPECIFIC
				HYBRIDIZATION
CHROMOSOME MANIPULATION		C		RECIPROCAL CROSSING
BT	PLANT BREEDING			SINGLE CROSSES
RT	CHROMOSOMES			TEST CROSSING
	GENES			THREE-WAY CROSSES
CLONES		C	CUTTINGS	C
SN	Organisms of identical		BT	PROPAGATION MATERIALS
	genetic constitution			
BT	PLANT TYPES		CYTOGENETICS	C
RT	CLONING		BT	GENETICS
	PURE LINES		RT	CYTOLOGY
CLONING		BC	CYTOPLASMIC INHERITANCE	C
BT	ASEXUAL REPRODUCTION		BT	INHERITANCE
	VEGETATIVE PROPAGATION			
RT	CLONES		CYTOSTERILITY BACKCROSSES	C
COMBINING ABILITY		C	BT	BACKCROSSING
BT	PLANT BREEDING		RT	CYTOPLASMIC MALE STERILITY
NT	GENERAL COMBINING ABILITY			
	SPECIFIC COMBINING ABILITY		DISEASE RESISTANCE	CD
COMPACT HEADS		C	BT	RESISTANCE TO INJURIOUS
BT	BREEDING AIMS			FACTORS
RT	HEAD FORMATION		DISRUPTIVE SEASONAL SELECTION	C
			BT	SELECTION

DOMINANT GENES BT GENES	C	ERECT TYPE BT PLANT TYPES	C
DOUBLE CROSSES BT CROSSBREEDING	C	F1 HYBRID PRODUCTION BT HYBRID PRODUCTION	C
DROUGHT TOLERANCE BT RESISTANCE TO INJURIOUS FACTORS	CD	F1 HYBRIDS BT HYBRIDS	C
DWARFS BT PLANT TYPES RT PLANT HABIT	C	FLOODING TOLERANCE BT RESISTANCE TO INJURIOUS FACTORS	CD
EARLY MATURATION UF Earliness BT BREEDING AIMS MATURATION RT FORCING	BC	FUELS BT ENERGY SOURCES NT FUELWOOD METHANE	CF
EATING QUALITY BT BREEDING AIMS QUALITY RT PALATABILITY	CF	FUELWOOD BT FUELS	CE
ELECTRICITY BT ENERGY SOURCES	CE	GENE BANKS UF Genetic resources laboratory Germplasm banks BT GERMPLOSM COLLECTIONS	C
EMBRYO CULTURE BT TISSUE CULTURE	C	GENE POOLS BT GENETIC RESOURCES	C
ENERGY CONSERVATION BT CONSERVATION RT ENERGY SOURCES	C	GENERAL COMBINING ABILITY BT COMBINING ABILITY	C
ENERGY SOURCES BT ENERGY NATURAL RESOURCES NT ANIMAL POWER ELECTRICITY FUELS WATER POWER WIND POWER RT ENERGY CONSERVATION	CE	GENES BT GENETICS NT ALLELES DOMINANT GENES LETHAL GENES RECESSIVE GENES RT CHROMOSOME MANIPULATION CHROMOSOMES GENOTYPES GERMPLOSM INHERITANCE	C

GENETIC EROSION	C	GERMPLASM COLLECTION	C
SN Loss of genetic variability especially in terms of the richness of species in particular areas		SN Use for expeditions to collect plants and seeds	
RT CONSERVATION GENETICS		BT GERMPLASM CONSERVATION	
		NT POLLEN COLLECTION	
		RT GERMPLASM COLLECTIONS GERMPLASM DOCUMENTATION PLANT INTRODUCTION	
GENETIC RESOURCES	C	GERMPLASM COLLECTIONS	C
BT NATURAL RESOURCES		BT GENETIC RESOURCES	
NT GENE POOLS GERMPLASM COLLECTIONS		NT GENE BANKS	
RT BIOGEOGRAPHY GERMPLASM CONSERVATION		RT GERMPLASM COLLECTION	
GENETICS	C	GERMPLASM CONSERVATION	C
NT CYTOGENETICS GENES GENOTYPES INHERITANCE MUTATION		BT RESOUPCE CONSERVATION	
RT BIOLOGY GENETIC DISORDERS GENETIC EROSION PLANT BREEDING		NT GERMPLASM COLLECTION GERMPLASM STORAGE	
		RT GENETIC RESOURCES GERMPLASM	
GENOTYPES	C	GERMPLASM EVALUATION	CF
BT GENETICS		UF Germplasm screening	
NT HETEROZYGOTES HOMOZYGOTES		BT EVALUATION	
RT GENES		GERMPLASM CHARACTERIZATION	
		RT SEED TESTING	
GERMPLASM	C	GERMPLASM EXCHANGES	C
UF Germ plasm Germ-plasm		RT GERMPLASM PHYTOSANITARY REGULATIONS PLANT INTRODUCTION	
RT GENES GERMPLASM CHARACTERIZATION GERMPLASM CONSERVATION GERMPLASM DOCUMENTATION GERMPLASM EXCHANGES		GERMPLASM STORAGE	CF
		BT GERMPLASM CONSERVATION STORAGE	
		NT POLLEN STORAGE SEED STORAGE	
GERMPLASM CHARACTERIZATION	C	GIANTS	C
BT PLANT BREEDING		BT PLANT TYPES	
NT GERMPLASM EVALUATION		GRAFT COMPATIBILITY	C
RT GERMPLASM		BT GRAFTING	

GRAFTING	C	IMPURE SEED	C
UF Curd grafting		BT SEED	
BT VEGETATIVE PROPAGATION		PT SEED CERTIFICATION	
NT BUDDING		SEED PURIFICATION	
GRAFT COMPATIBILITY			
HARD SEEDEDNESS	C	INBRED LINES	C
BT AGRONOMIC CHARACTERS		BT BREEDING LINES	
RT DORMANCY		RT PURE LINES	
HERITABILITY	C	INBREEDING	C
BT INHERITANCE		BT PLANT BREEDING	
		NT INBREEDING DEPRESSION	
		RT SELFING	
HETEROSIS	C	INBREEDING DEPRESSION	C
NT HYBRID VIGOUR		BT INBREEDING	
HETEROZYGOTES	C	INDUCED MUTATION	C
BT GENOTYPES		BT MUTATION	
		NT INDUCED POLYPLCIDY	
HOMOZYGOTES	C	INDUCED POLYPLOIDY	C
BT GENOTYPES		BT INDUCED MUTATION	
HYBRID BREAKDOWN	C	RT POLYPOIDS	
BT BREEDING BARRIERS			
HYBRID PRODUCTION	C	INHERITANCE	C
BT CROSSBREEDING		UF Heredity	
NT F1 HYBRID PRODUCTION		BT GENETICS	
RT CYTOPLASMIC MALE STERILITY		NT ACQUIRED CHARACTERS	
SELF INCOMPATIBILITY		ANCESTRY	
		CYTOPLASMIC INHERITANCE	
		HERITABILITY	
HYBRID VIGOUR	C	RT EVOLUTION	
BT BREEDING AIMS		GENES	
HETEROSIS		PLANT BREEDING	
HYBRIDS	C	INTERGENERIC HYBRIDIZATION	C
UF Crossbreds		UF Wide crossing	
Hybrid cultivars		BT CROSSBREEDING	
Hybrid varieties			
BT PLANT TYPES		INTERLINE CROSSING	C
NT F1 HYBRIDS		BT INTRASPECIFIC	
		HYBRIDIZATION	

INTERSPECIFIC HYBRIDIZATION	C	MERISTEM CULTURE	C
BT CROSSBREEDING		UF Shoot culture	
		Shoot-tip culture	
		BT TISSUE CULTURE	
INTRASPECIFIC HYBRIDIZATION	C	RT MERISTEMS	
BT CROSSBREEDING			
NT INTERLINE CROSSING			
		METHANE	BC
ISOLATION TECHNIQUE	C	UF Biogas	
SN Protection of plants from		BT FUELS	
undesired pollination		HYDROCARBONS	
BT PLANT BREEDING			
RT BREEDING BARRIERS		MORPHOLOGICAL CHARACTERS	C
ISOLATION		BT AGRONOMIC CHARACTERS	
ISOLATION TENTS		NT POD CHARACTERS	
		SPECIFIC LEAF WEIGHT	
LAYERING	C		
BT VEGETATIVE PROPAGATION		MUTANTS	C
RT ROOTING		BT PLANT TYPES	
		R1 CHIMERAS	
LETHAL GENES	C	MUTATION	
BT GENES			C
		UF Mutagenesis	
LINE SELECTION	C	BT GENETICS	
BT SELECTION		NT INDUCED MUTATION	
NT MATERNAL LINE SELECTION		SPONTANEOUS MUTATION	
		RT GENETIC DISORDERS	
LODGING RESISTANCE	CD	MUTAGENS	
BT RESISTANCE TO INJURIOUS		MUTANTS	
FACTORS			
RT PLANT WEATHERING		NATURAL RESOURCES	C
WILTING		NT ENERGY SOURCES	
		GENETIC RESOURCES	
MANY-BRANCHED TYPE	C		
BT PLANT TYPES		NATURAL SELECTION	AC
		BT EVOLUTION	
MASS SELECTION	C	SELECTION	
BT SELECTION			
		NUCLEUS SUBSTITUTION	C
MATERNAL LINE SELECTION	C	BT PLANT BREEDING	
BT LINE SELECTION			
		PEST RESISTANCE	CD
		SN Resistance to pests	
		BT RESISTANCE TO INJURIOUS	
		FACTORS	
		RT PESTS	

PLANT BREEDING	C	PLANT TYPES	C
SN Controlled improvement in selected characters of plants		UF Progeny forms	
NT BREEDING AIMS		NT CHIMERAS	
BREEDING BARRIERS		CLONES	
CHROMOSOME MANIPULATION		DWARFS	
COMBINING ABILITY		ERECT TYPE	
CROSSBREEDING		GIANTS	
GERMPLASM CHARACTERIZATION		HYBRIDS	
INBREEDING		MANY-BRANCHED TYPE	
ISOLATION TECHNIQUE		MUTANTS	
NUCLEUS SUBSTITUTION		RT AGRONOMIC CHARACTERS	
PLANT EMASCULATION		PLANT TYPE IMPROVEMENT	
PROGENY TESTING			
RECOMBINATION			
SEGREGATION			
SELECTION			
SELFING			
RT BREEDERS RIGHTS			
BREEDING LINES			
GENETICS			
INHERITANCE			
PLANT PROPAGATION			
REPRODUCTION			
TISSUE CULTURE			
PLANT EMASCULATION	C	PLANT WEATHERING	C
BT PLANT BREEDING		BT AGRONOMIC CHARACTERS	
		PT LODGING RESISTANCE	
		TEMPERATURE RESISTANCE	
		WIND RESISTANCE	
PLANT PROPAGATION	C	POD CHARACTERS	C
UF Propagation (plant)		BT MORPHOLOGICAL CHARACTERS	
NT VEGETATIVE PROPAGATION		RT PODS	
RT CULTIVATION			
PLANT BREEDING			
PLANT PRODUCTION			
PROPAGATION MATERIALS			
REPRODUCTION			
TISSUE CULTURE			
PLANT TYPE IMPROVEMENT	C	POLLEN COLLECTION	C
BT BREEDING AIMS		BT GERMPLASM COLLECTION	
RT PLANT TYPES			
		POLLEN INCOMPATIBILITY	C
		BT BREEDING BARRIERS	
		RT SELF INCOMPATIBILITY	
		STERILITY	
		POLLEN STORAGE	CF
		BT GERMPLASM STORAGE	
		POLYEMBRYONY	C
		BT VEGETATIVE PROPAGATION	
		RT APOMIXIS	
		PROGENY TESTING	CE
		BT EVALUATION	
		PLANT BREEDING	
		RT YIELD TRIALS	

PROPAGATION MATERIALS	C	REGISTRATION	C
NT BUDS		SN Of cultivars, tradenames, etc.	
CUTTINGS			
RATOONS			
ROOTSTALK			
SCIONS		RESISTANCE TO INJURIOUS FACTORS	CD
SEED		BT BREEDING AIMS	
RT PLANT PROPAGATION		RESISTANCE	
		NT BOLTING RESISTANCE	
PURE LINES	C	DISEASE RESISTANCE	
BT BREEDING LINES		DROUGHT TOLERANCE	
RT CLONES		FLOODING TOLERANCE	
CULTIVARS		LODGING RESISTANCE	
INBRED LINES		PEST RESISTANCE	
		SALT TOLERANCE	
QUALITATIVE CHARACTERS	C	SHATTERING RESISTANCE	
BT CHARACTERS		TEMPERATURE RESISTANCE	
		WIND RESISTANCE	
QUANTITATIVE CHARACTERS	C	RT INJURIOUS FACTORS	
BT CHARACTERS			
		RESOURCE CONSERVATION	C
RATOONS	C	BT CONSERVATION	
BT PROPAGATION MATERIALS		NT GERMLASM CONSERVATION	
		SOIL CONSERVATION	
		WATER CONSERVATION	
RECESSIVE GENES	C	ROGUING	C
BT GENES		BT SELECTION	
		RT SEED PURIFICATION	
RECIPROCAL CROSSING	C	ROOTSTALK	C
BT CROSSBREEDING		BT PROPAGATION MATERIALS	
RECIPROCAL RECURRENT SELECTION	C	SALT TOLERANCE	CD
BT RECURRENT SELECTION		UF Salinity resistance	
		BT RESISTANCE TO INJURIOUS FACTORS	
RECOMBINATION	C	RT SALT STRESS	
SN Formation of new combinations of genes by crossing or segregation			
BT PLANT BREEDING		SCIONS	C
		BT PROPAGATION MATERIALS	
RECURRENT SELECTION	C		
BT SELECTION			
NT RECIPROCAL RECURRENT SELECTION			

SEED	C	SELF INCOMPATIBILITY	C
SN Seeds for sowing or propagation; as phase in life history of plant use SEEDS		UF Self-sterility	
BT PROPAGATION MATERIALS		BT BREEDING BAPRIERS	
NT IMPURE SEED		RT HYBRID PRODUCTION	
SEED BLENDS		POLLEN INCOMPATIBILITY	
RT SEED TREATMENT		SELF FERTILIZATION	
SEED BLENDS	C	SELFING	C
SN Mixed seed of different cultivars		BT PLANT BREEDING	
UF Mixed seed		RT INBREEDING	
SEED MIXTURES		SELF POLLINATION	
BT SEED		SHATTERING RESISTANCE	CD
		BT RESISTANCE TO INJURIOUS FACTORS	
SEED STORAGE	CF	SHIPPING ABILITY	C
BT GERMPLASM STORAGE		BT BREEDING AIMS	
RT SEED LONGEVITY			
SEGREGATION	C	SINGLE CROSSES	C
BT PLANT BREEDING		BT CROSSBREEDING	
SELECTION	C	SOIL CONSERVATION	CE
UF Selection techniques		BT RESOURCE CONSERVATION	
SELECTIVE BREEDING		SOIL MANAGEMENT	
BT PLANT BREEDING		RT EROSION	
NT BACKCROSS SELECTION		SOIL DETERIORATION	
DISRUPTIVE SEASONAL SELECTION		SPECIFIC COMBINING ABILITY	C
LINE SELECTION		BT COMBINING ABILITY	
MASS SELECTION			
NATURAL SELECTION		SPECIFIC LEAF WEIGHT	C
RECURRENT SELECTION		UF SLW	
ROGUING		BT MORPHOLOGICAL CHARACTERS	
SELECTION CRITERIA			
SELECTION PRESSURE		SPONTANEOUS MUTATION	C
BT SELECTION	C	UF Natural mutation	
		BT MUTATION	
SELECTION PRESSURE	C	STERILIZATION	C
BT SELECTION		SN Rendering incapable of reproducing	
		RT STERILITY	

STOOLING	C	VEGETATIVE PROPAGATION	C
UF Stool layering		BT PLANT PROPAGATION	
BT VEGETATIVE PROPAGATION		NT CLONING	
		GRAFTING	
		LAYERING	
STORAGE TRAITS	C	POLYEMBRYONY	
UF Storability		STOOLING	
BT CHARACTERS		RT ASEXUAL REPRODUCTION	
RT STORAGE ENVIRONMENT			
TEMPERATURE RESISTANCE	CD	WATER CONSERVATION	CE
UF Cold tolerance		BT RESOUPCE CONSERVATION	
Heat tolerance		WATER MANAGEMENT	
BT RESISTANCE TO INJURIOUS FACTORS		RT WATER SUPPLY	
RT ENVIRONMENTAL TEMPERATURE HEAT STRESS PLANT WEATHERING			
TEST CROSSING	C	WATER POWER	CE
BT CROSSBREEDING		BT ENERGY SOURCES	
RT BACKCROSSING			
THREE-WAY CROSSES	C	WIDE ADAPTABILITY	C
BT CROSSBREEDING		BT BREEDING AIMS	
		WIND POWER	CF
		BT ENERGY SOUPCES	
TISSUE CULTURE	C	WIND RESISTANCE	CD
UF Cell culture		UF Resistance to wind	
Micropropagation		BT RESISTANCE TO INJURIOUS FACTORS	
NT AXILLARY BUD CULTURE		RT PLANT WEATHERING	
EMBRYO CULTURE			
MERISTEM CULTURE		YIELD INCREASE	C
RT PLANT BREEDING		BT BREEDING AIMS	
PLANT PROPAGATION			
PLANT TISSUES			
TRAIT STABILITY	C	ABSIDIA	D
BT BREEDING AIMS		BT FUNGI	
		ABUTILON MOSAIC VIRUS	D
		BT VIRUSES	
UNIFORMITY	C		
BT BREEDING AIMS		ACALYMMA	D
		BT COLEOPTERA	
		ACANTHOMIA	D
		BT HETEROPTERA	

ACARINA	D	ADZUKIBEAN MOSAIC VIRUS	D
UF Mites		UF AZMV	
Ticks		BT VIRUSES	
BT ARACHNIDA			
NT ACERIA		AERIAL APPLICATION	D
BREVIPALPUS		BT APPLICATION METHODS	
EURYOPHYES			
ACAULOSPORA	D	AEROBIC BACTERIA	D
BT FUNGI		BT BACTERIA	
ACERIA	D	AGALLIA	D
BT ACARINA		BT HOMOPTERA	
ACHAEA	D	AGARICUS	DE
BT LEPIDOPTERA		BT EDIBLE FUNGI	
ACHERONTIA	D	AGRIOTES	D
BT LEPIDOPTERA		BT COLEOPTERA	
ACHETA	D	AGRIUS	D
BT ORTHOPTERA		BT LEPIDOPTERA	
ACREMONIUM	D	AGROBACTERIUM	D
UF Gliomastix		BT RHIZOBIACEAE	
BT FUNGI			
ACROMYRMEX	D	AGROMYZA	D
BT HYMENOPTERA		BT AGROMYZIDAE	
ACROSTERNUM	D	AGROMYZIDAE	D
BT HETEROPTERA		UF Agromyzid flies	
		Beanflies	
		Flies (Agromyzid)	
ACTINOBACILLUS	D	BT DIPTERA	
BT BACTERIA		NT AGROMYZA	
		LIRIOMYZA	
ACTINOMYCETALES	D	MELANOGROMYZA	
BT BACTERIA		OPHIOMYIA	
NT STREPTOMYCES		PHYTOMYZA	
ACUARIA	D	AGROTIS	D
BT NEMATODES		BT LEPIDOPTERA	
		NT AGROTIS IPSILON	

AGROTIS IPSILON	D	ANIMALS	D
UF Black cutworm		NT AQUATIC ANIMALS	
BT AGROTIS		BIRDS	
		DOMESTIC ANIMALS	
		LABORATORY ANIMALS	
ALBUGO	D	POLLINATORS	
UF Rust (white)		RT INVERTEBRATES	
White blister		NOXIOUS ANIMALS	
White rust			
BT FUNGI			
		ANNELIDA	D
ALCIDODES	D	BT INVERTEBRATES	
UF Striped sweet potato		NT EARTHWORMS	
weevil		LEECHES	
BT COLEOPTERA			
		ANNUAL WEEDS	D
ALFALFA MOSAIC VIRUS	D	BT WEEDS	
UF AMV			
BT VIRUSES		ANOMALA	D
		BT COLEOPTERA	
ALLELOPATHY	D		
SN Harmful effects of one		ANTAGONISM	D
plant upon another		BT BIOLOGICAL COMPETITION	
BT BIOLOGICAL COMPETITION		RT ALLELOPATHY	
RT ANTAGONISM			
PLANT SECRETIONS			
		ANTHOMYIIDAE	D
ALTERNARIA	D	BT DIPTERA	
BT FUNGI		NT DELIA	
RT BLIGHTS		HYLEMYA	
LEAF SPOTS			
		ANTHRACNOSES	D
ALTERNATE HOSTS	D	BT FUNGAL DISEASES	
BT HOSTS		RT COLLETOTRICHUM	
		GLOMERELLA	
AMIDOSTOMUM	D		
BT NEMATODES		ANTICARSIA	D
		BT LEPIDOPTERA	
ANAEROBIC BACTERIA	D		
BT BACTERIA		ANTIGENS	D
		BT IMMUNITY	
		ANTIMICROBIALS	D
		BT DRUGS	
		NT ANTIVIRAL AGENTS	
		RT MICROORGANISMS	

ANTIVIRAL AGENTS	D	ARTHROPODS	D
BT ANTIMICROBIALS		BT INVERTEBRATES	
RT VIRUSES		NT ARACHNIDA	
		CRUSTACEA	
		INSECTS	
APHANOMYCES	D	ASCOCHYTA	D
BT FUNGI		BT FUNGI	
APHELENCHOIDES	D	ASPERGILLUS	D
BT NEMATODES		BT FUNGI	
APHELENCHUS	D	ASPHONDYLIA	D
BT NEMATODES		BT CECIDOMYIIDAE	
APHIDS	D	ASPIDOMORPHA	D
UF Aphididae		BT COLEOPTERA	
BT HOMOPTERA			
NT APHIS		ATHALIA	D
BREVICORYNE		UF Cabbage sawfly	
DACTYNOTUS		BT HYMENOPTERA	
LIPAPHIS			
MACROSIPHONIELLA		ATTA	D
MACROSIPHUM		BT HYMENOPTERA	
MYZUS			
NEOTOXOPTERA			
PENTALONIA			
RHOPALOSIPHUM			
APHIS	D	ATTRACTANTS	D
BT APHIDS		UF Baits	
NT APHIS CRACCIVORA		NT SEX ATTRACTANTS	
		RT INSECT CONTROL	
APHIS CRACCIVORA	D	AUSTROAGALLIA	D
BT APHIS		BT HOMOPTERA	
AQUATIC ANIMALS	D	AZOTOBACTER	D
BT ANIMALS		BT AZOTOBACTERIACEAE	
ARACHNIDA	D	AZOTOBACTERIACEAE	D
BT ARTHROPODS		BT BACTERIA	
NT ACARINA		NT AZOTOBACTER	
		BACILLACEAE	D
		BT BACTERIA	
		NT BACILLUS	

BACILLUS	D	BACTERIAL PUSTULE	D
BT BACILLACEAE		BT BACTERIAL DISEASES	
NT BACILLUS THURINGIENSIS		RT XANTHOMONAS	
BACILLUS SEED DECAY	D	BACTERIAL SOFTROT	D
BT BACTERIAL DISEASES		BT BACTERIAL DISEASES	
		SOFTROTS	
		RT ERWINIA	
BACILLUS THURINGIENSIS	DE	BACTERIAL WILT	D
BT BACILLUS		BT BACTERIAL DISEASES	
BACTERIAL INSECTICIDES		WILTS	
BACTERIA	D	BAGRADA	D
BT MICROORGANISMS		UF Harlequin bugs	
NT ACTINOBACILLUS		BT HETEROPTERA	
ACTINOMYCETALES			
AEROBIC BACTERIA		BEAN COMMON MOSAIC VIRUS	D
ANAEROBIC BACTERIA		UF BCMV	
AZOTOBACTERIACEAE		BT VIRUSES	
BACILLACEAE		RT MUNGBEAN MOSAIC VIRUS	
CORYNEBACTERIUM			
ENTEROBACTERIACEAE		BEAN CRUMPLING VIRUS	D
MYCOPLASMATALES		BT VIRUSES	
NITROGEN-FIXING BACTERIA			
PSEUDOMONACEAE		BEAN GOLDEN MOSAIC VIRUS	D
RHIZOBIACEAE		BT VIRUSES	
RICKETTSIALES			
RT BACTERIAL DISEASES			
BACTERIOLOGY			
SOIL FLORA			
BACTERIAL BLIGHT	D	BEAN POD MOTTLE VIRUS	D
BT BACTERIAL DISEASES		UF BPMV	
BLIGHTS		BT VIRUSES	
RT PSEUDOMONAS			
BACTERIAL DISEASES	D	BEAN RUGOSE MOSAIC VIRUS	D
UF Bacterioses		BT VIRUSES	
BT DISEASES			
NT BACILLUS SEED DECAY		BEAN YELLOW MOSAIC VIRUS	D
BACTERIAL BLIGHT		UF BYMV	
BACTERIAL PUSTULE		BT VIRUSES	
BACTERIAL SOFTROT			
BACTERIAL WILT		BEES	D
RT BACTERIA		BT POLLINATORS	
ROTS			

BEET CURLY TOP VIRUS BT VIRUSES	D	BLACKGRAM MOSAIC VIRUS BT VIRUSES	D
BEET YELLOWS VIRUS BT VIRUSES	D	BLACKGRAM STERILITY MOSAIC VIRUS UF BSMV BT VIRUSES	D
BELONOLAIMUS BT NEMATODES	D	BLIGHTS BT SYMPTOMS NT BACTERIAL BLIGHT LEAF BLIGHT POD AND STEM BLIGHT RT ALTERNARIA DRECHSLERA FUNGAL DISEASES RHIZOCTONIA	D
BEMISIA BT HOMOPTERA	D		
BIOLOGICAL COMPETITION NT ALLELOPATHY ANTAGONISM PARASITISM PREDATION SAPROPHYTISM WEED COMPETITION RT NATURAL ENEMIES	D	BLOTCHES BT SYMPTOMS	D
BIOLOGICAL CONTROL BT CONTROL METHODS NT BIOLOGICAL CONTROL ORGANISMS MASS REARING STERILE INSECT RELEASE	D	BOLTING RESISTANCE UF Slow bolting BT RESISTANCE TO INJURIOUS FACTORS RT BOLTING	CD
BIOLOGICAL CONTROL ORGANISMS BT BIOLOGICAL CONTROL NT ENTOMOGENOUS FUNGI RT NATURAL ENEMIES USEFUL INSECTS	D	BOTRYTIS BT FUNGI RT GREY MOULD	D
BIRDS BT ANIMALS RT NOXIOUS BIRDS POULTRY	D	BRACHMIA BT LEPIDOPTERA	D
BLACKEYE COWPEA MOSAIC VIRUS BT VIRUSES	D	BRACHYTRUPES BT ORTHOPTERA	D
BLACKGRAM LEAF CRINKLE VIRUS UF BLCV BT VIRUSES	D	BRAZILIAN BUD BLIGHT BT VIRAL DISEASES RT TOBACCO STREAK VIRUS	D
		BREVICORYNE BT APHIDS	D

BREVIPALPUS BT ACARINA	D	CALLIPHORIDAE BT DIPTERA NT CALLIPHORA CHRYSOMIA	D
BROAD BEAN MOTTLE VIRUS BT VIRUSES	D	CALLOSOBRUCHUS BT COLEOPTERA	D
BROAD BEAN STAIN VIRUS BT VIRUSES	D	CALONECTRIA BT FUNGI	D
BROAD BEAN TRUE MOSAIC VIRUS BT VIRUSES	D	RT CYLINDROCLADIUM ROOT ROTS	
BROAD BEAN WILT VIRUS BT VIRUSES	D	CANKERS BT FUNGAL DISEASES SYMPTOMS NT STEM CANCER	D
BROADCASTING BT APPLICATION METHODS	D	CASSAVA MOSAIC VIRUS BT VIRUSES	D
BROWN SPOT UF Septoria leaf spot (soybean) BT FUNGAL DISEASES SPOTS RT SEPTORIA	D	CATTLE BT LIVESTOCK	D
BROWN STEM ROT UF Phialophora stem rot BT STEM ROTS RT PHIALOPHORA	D	CAULIFLOWER MOSAIC VIRUS BT VIRUSES	D
BUD BLIGHT BT VIRAL DISEASES RT TOBACCO RINGSPOT VIRUS	D	CECIDOMYIIDAE UF Gall midges BT DIPTERA NT ASPHONDYLIA	D
CALIOTHRIPS BT THYSANOPTERA	D	CERATITIS BT TEPHTRITIDAE	D
CALLIPHORA BT CALLIPHORIDAE	D	CERATOCYSTIS BT FUNGI	D
		CERCOSPORA BT FUNGI NT CERCOSPORA CANESCENS CERCOSPORA KIKUCHII CERCOSPORA SOJINA RT CERCOSPORA LEAF SPOT	D

CERCOSPORA CANESCENS BT CERCOSPORA	D	CHENOPODIUM AMARANTICOLOR BT CHENOPODIUM INDICATOR HOST PLANTS	AD
CERCOSPORA KIKUCHII BT CERCOSPORA	D	CHENOPODIUM QUINOA BT CHENOPODIUM INDICATOR HOST PLANTS	AD
CERCOSPORA LEAF SPOT UF Cercospora leaf spot and blight CLS BT FUNGAL DISEASES LEAF SPOTS RT CERCOSPORA	D	CHEWING INSECTS BT PEST INSECTS NT LEAF-EATING INSECTS POD BORERS ROOT-EATING INSECTS STEM BORERS	D
CERCOSPORA SOJINA BT CERCOSPORA RT FROGEYE LEAF SPOT	D	CHILI LEAFCURL VIRUS BT VIRUSES	D
CHAETOCNEMA BT COLEOPTERA	D	CHLOROSIS BT SYMPTOMS	D
CHAETOMIUM BT FUNGI	D	CHOANEPHORA BT FUNGI RT LEAF BLIGHT	D
CHAETOSEPTORIA BT FUNGI	D	CHRYSOMIA BT CALLIPHORIDAE	D
CHARCOAL ROT BT ROTS RT MACROPHOMINA	D	CICADULINA BT HOMOPTERA	D
CHEMICAL APPLICATION BT CHEMICAL CONTROL RT AGRICULTURAL CHEMICALS APPLICATION METHODS FERTILIZER APPLICATION	D	CILIOPHORA BT PROTOZOA	D
CHEMICAL CONTROL SN Use of chemicals to control pests and weeds BT CONTROL METHODS NT CHEMICAL APPLICATION RT HERBICIDES PESTICIDES	D	CLADOSPORIUM BT FUNGI	D
		CLUBROOT BT FUNGAL DISEASES RT PLASMIDIOPHORA	D
		COLASPIS BT COLEOPTERA	D

COLEOPTERA	D	CONTROL METHODS	D
UF Beetles		BT CONTROL OF INJURIOUS FACTORS	
Chafers		NT BIOLOGICAL CONTROL	
Weevils		CHEMICAL CONTROL	
BT INSECTS		CULTURAL CONTROL	
NT ACALYMMA		GENETIC CONTROL	
AGRIOTES		PHYSICAL CONTROL	
ALCIDODES			
ANOMALA			
ASPIDOMORPHA			
CALLOSOBRUCHUS		CONTROL OF INJURIOUS FACTORS	D
CHAETOCNEMA		BT PLANT PROTECTION	
COLASPIS		NT CONTROL METHODS	
CONODERUS		DISEASE CONTROL	
CURCULIO		FLOOD CONTROL	
CYCLAS		PEST CONTROL	
DECTES		WEED CONTROL	
DIABROTICA		RT ENVIRONMENTAL CONTROL	
EPICAUTA			
EPILACHNA			
EUSCEPES			
HYPOMECEs		CORTICIUM	D
LISTRODERES		BT FUNGI	
MELANOTUS			
OOTHECA			
ORYZAEPHILUS		CORYNEBACTERIUM	D
PHAEDON		BT BACTERIA	
PHYLLOPHAGA			
PHYLLOTRETA		CORYNESPORA	D
SYSTEMA		BT FUNGI	
		RT TARGET SPOT	
COLIAS	D		
BT LEPIDOPTERA		COWPEA APHID-BORNE MOSAIC VIRUS	D
		BT VIRUSES	
COLLETOTRICHUM	D		
BT FUNGI		COWPEA CHLOROTIC MOTTLE VIRUS	D
RT ANTHRACNOSES		UF CCMV	
		BT VIRUSES	
CONIOTHYRIUM	D		
BT FUNGI		COWPEA MILD MOTTLE VIRUS	D
		BT VIRUSES	
CONODERUS	D		
BT COLEOPTERA		COWPEA MOSAIC VIRUS	D
		BT VIRUSES	
		COWPEA SEVERE MOSAIC VIRUS	D
		BT VIRUSES	

CRICONEMOIDES BT NEMATODES	D	CYLINDROCEPHALUM BT FUNGI	D
CROCIDOLOMIA UF Cabbage moth BT LEPIDOPTERA	D	CYLINDROCLADIUM BT FUNGI RT CALONECTRIA	D
CRONARTIUM BT FUNGI	D	CYNTHIA BT LEPIDOPTERA	D
CRUSTACEA BT ARTHROPODS	D	DACTULIOPHORA BT FUNGI RT LEAF SPOTS	D
CUCUMBER MOSAIC VIRUS UF CMV BT VIRUSES	D	DACTYNOTUS BT APHIDS	D
CUCUMIS SATIVUS BT CUCUMIS INDICATOR HOST PLANTS	AD	DALBULUS BT HOMOPTERA	D
CULTURAL CONTROL SN Control of pests or diseases through cultivation techniques or changed cropping patterns BT CONTROL METHODS	D	DAMPING-OFF BT FUNGAL DISEASES RT PYTHIUM RHIZOCTONIA	D
CURCULIO BT COLEOPTERA	D	DATURA STRAMONIUM BT DATURA INDICATOR HOST PLANTS	AD
CURVULARIA BT FUNGI	D	DECTES BT COLEOPTERA	D
CYCLAS BT COLEOPTERA	D	DEFICIENCY DISORDERS UF Deficiency diseases BT NUTRITIONAL DISORDERS NT TIPBURN RT DEHYDRATION NUTRIENT AVAILABILITY NUTRIENT REQUIREMENTS	D
CYCLONES UF Hurricanes Tornados Typhoons BT STORMS	D		

DEHYDRATION	D	DIPTERA	D
SN Physiological		UF Flies (true)	
dehydration; for water		BT INSECTS	
removal use DRYING		NT AGROMYZIDAE	
BT PHYSIOLOGICAL DISORDERS		ANTHOMYIIDAE	
RT DEFICIENCY DISORDERS		CALLIPHORIDAE	
WILTING		CECIDOMYIIDAE	
		MUSCIDAE	
		TEPHRITIDAE	
DELIA	D		
BT ANTHOMYIIDAE			
		DISEASE CONTROL	D
DIABROTICA	D	BT CONTROL OF INJURIOUS	
BT COLEOPTERA		FACTORS	
DIACRISIA	D	DISEASE PREVENTION	D
BT LEPIDOPTERA		BT PLANT PROTECTION	
		NT QUARANTINE	
DIAGNOSIS	D	DISEASE RESISTANCE	CD
UF Disease recognition		BT RESISTANCE TO INJURIOUS	
RT SYMPTOMS		FACTORS	
DIAPHORINA	D	DISEASE TRANSMISSION	D
BT HOMOPTERA		BT EPIDEMIOLOGY	
		NT VECTORS	
DIAPORTHE	D	DISEASES	D
BT FUNGI		UF Plant diseases	
RT PHOMOPSIS		BT INJURIOUS FACTORS	
POD AND STEM BLIGHT		NT BACTERIAL DISEASES	
STEM CANKER		DISEASES OF UNCERTAIN	
		ETIOLOGY	
		FUNGAL DISEASES	
DICTYOPTERA	D	MYCOPLASMA-LIKE DISEASES	
BT INSECTS		RICKETTSIAL DISEASES	
		VIRAL DISEASES	
		RT DISORDERS	
DIDYMELLA	D	SYMPTOMS	
BT FUNGI			
DIPLODIA	D	DISEASES OF UNCERTAIN ETIOLOGY	D
BT FUNGI		BT DISEASES	

DISORDERS	D	DYSMICOCCLUS	F
BT INJURIOUS FACTORS		BT HOMOPTERA	
NT GENETIC DISORDERS			
NUTRITIONAL DISORDERS			
PHYSIOLOGICAL DISORDERS		EARTHWORMS	D
RT DISEASES		BT ANNELIDA	
DITYLENCHUS	D	EDIBLE FUNGI	DE
BT NEMATODES		UF Fungi (edible)	
		Mushrooms (edible)	
		BT FUNGI	
DOMESTIC ANIMALS	D	VEGETABLE CROPS	
BT ANIMALS		NT AGARICUS	
NT LIVESTOCK		VOLVARIELLA	
POULTRY			
RT ANIMAL PRODUCTION			
		ELASMOPALPUS	D
		BT LEPIDOPTERA	
DOWNY MILDEWS	D		
BT MILDEWS		ELSINOE	D
RT PERONOSPORA		BT FUNGI	
DRECHSLEPA	D	EMPOASCA	D
BT FUNGI		BT HOMOPTERA	
RT BLIGHTS			
DRENCHING	D	ENTEROBACTERIACEAE	D
BT APPLICATION METHODS		BT BACTERIA	
		NT ERWINIA	
DROUGHT	D	ENTOMOGENOUS FUNGI	D
BT NATURAL DISASTERS		BT BIOLOGICAL CONTROL	
RT DRY SEASON		ORGANISMS	
ENVIRONMENTAL EFFECTS		FUNGI	
DROUGHT TOLERANCE	CD	ENVIRONMENTAL EFFECTS	D
BT RESISTANCE TO INJURIOUS		SN Injurious effects of	
FACTORS		environmental factors on	
		TVIS crops	
DRUGS	D	BT INJURIOUS FACTORS	
NT ANTIMICROBIALS		NT FROST DAMAGE	
RT AGRICULTURAL CHEMICALS		WIND DAMAGE	
		RT DROUGHT	
		ENVIRONMENT	
		FLOODING	
DUSTING	D		
BT APPLICATION METHODS			
		EPHESTIA	D
		BT LEPIDOPTERA	

EPICAUTA BT COLEOPTERA	D	ETIELLA ZINCKENELLA UF Lima-bean pod borer BT LEPIDOPTERA	D
EPICOCCUM BT FUNGI	D	ETIOLOGY UF Aetiology NT PATHOGENS	D
EPIDEMICS BT EPIDEMIOLOGY	D	EURYOPHYES BT ACARINA	D
EPIDEMIOLOGY UF Epiphytology NT DISEASE TRANSMISSION EPIDEMICS	D	EUSCEPES BT COLEOPTERA	D
EPILACHNA BT COLEOPTERA NT EPILACHNA VARIVESTIS	D	EUSCHISTUS BT HETEROPTERA	D
EPILACHNA VAPIVESTIS UF Mexican bean beetle BT EPILACHNA	D	EUTETTIX BT HOMOPTERA	D
EPIPHYTES RT PARASITES	D	FERRISIA BT HOMOPTERA	D
EROSION BT INJURIOUS FACTORS NT WATER EROSION WIND EROSION RT SOIL CONSERVATION SOIL DETERIORATION	D	FLOOD CONTROL BT CONTROL OF INJURIOUS FACTORS WATER MANAGEMENT	D
ERWINIA BT ENTEROBACTERIACEAE RT BACTERIAL SOFTROT	D	FLOODING UF Floods BT NATURAL DISASTERS RT ENVIRONMENTAL EFFECTS	D
ERYSIPHE BT FUNGI RT POWDERY MILDEWS	D	FLOODING TOLERANCE BT RESISTANCE TO INJURIOUS FACTORS	CD
ESTIGMENE BT LEPIDOPTERA	D	FRANKLINIELLA BT THYSANOPTERA	D

FROGEYE LEAF SPOT
 BT FUNGAL DISEASES
 LEAF SPOTS
 RT CERCOSPORA SOJINA

D

FUNGI
 NT

D

FROST DAMAGE
 BT ENVIRONMENTAL EFFECTS

D

FUMIGATION
 BT APPLICATION METHODS
 RT SOIL FUMIGANTS

D

FUNGAL DISEASES
 UF Mycoses
 BT DISEASES
 NT ANTHRACNOSES
 BROWN SPOT
 CANKERS
 CERCOSPORA LEAF SPOT
 CLUBROOT
 DAMPING-OFF
 FROGEYE LEAF SPOT
 MILDEWS
 MOULDS
 POD AND STEM BLIGHT
 PURPLE SEED STAIN
 RUSTS
 SCABS
 SMUTS
 TARGET SPOT
 YEAST SPOT
 RT BLIGHTS
 FUNGI
 ROTS
 SPOTS

D

ABSIDIA
 ACAULOSPORA
 ACREMONIUM
 ALBUGO
 ALTERNARIA
 APHANOMYCES
 ASCOCHYTA
 ASPERGILLUS
 BOTRYTIS
 CALONECTRIA
 CERATOCYSTIS
 CERCOSPORA
 CHAETOMIUM
 CHAETOSEPTORIA
 CHOANEPHORA
 CLADOSPORIUM
 COLLETOTRICHUM
 CONIOTHYRIUM
 CORTICIUM
 CORYNESPORA
 CRONARTIUM
 CURVULARIA
 CYLINDROCEPHALUM
 CYLINDROCLADIUM
 DACTULIOPHORA
 DIAPORTHE
 DIDYMELLA
 DIPLODIA
 DRECHSLERA
 EDIBLE FUNGI
 ELSINOE
 ENTOMOGENOUS FUNGI
 EPICOCCUM
 ERYSIPHE
 FUSARIUM
 GIGASPORA
 GLIOCLADIUM
 GLOMERELLA
 GLOMUS
 GUIGNARDIA
 HELICOBASIDIUM
 HELMINTHOSPORIUM
 ISARIOPSIS
 LEPTOSPHAERULINA
 MACROPHOMA
 MACROPHOMINA
 MICROSPHAERA
 MONILIA
 MONILOCHAETES
 MYCOLEPTODISCUS
 MYCORRHIZAL FUNGI
 MYCOSPHAERELLA
 MYOTHECIUM
 NEMATOSPORA

NEOCOSMOSPORA			
NIGROSPORA		GENETIC DISORDERS	D
OIDIUM		BT DISORDERS	
OPHIONECTRIA		RT GENETICS	
PAECILOMYCES		MUTATION	
PENICILLIUM			
PERONOSPORA			
PESTALOTIA		GIGASPORA	D
PHAKOPSORA		BT FUNGI	
PHIALOPHORA			
PHOMA			
PHOMOPSIS		GLIOCLADIUM	D
PHYLLOSTICTA		BT FUNGI	
PHYTOPHTHORA			
PLASMODIOPHORA			
PLENODOMUS		GLOMERELLA	D
PLEOSPHAERULINA		BT FUNGI	
PYRENOCHAETA		RT ANTHRACNOSES	
PYTHIUM			
RHIZOCTONIA			
RHIZOPUS		GLOMUS	D
ROSELLINIA		BT FUNGI	
SCLEROCYSTIS			
SCLEROTINIA			
SCLEROTIUM		GOMPHRENA GLOBOSA	D
SEPTOGLOEUM		BT INDICATOR HOST PLANTS	
SEPTORIA			
SPHACELOMA			
STEMPHYLIUM		GREENGRAM MOSAIC VIRUS	D
SYNCHYTRIUM		BT VIRUSES	
THANATEPHORUS			
THIELAVIOPSIS			
TRICHOHECIUM		GREY MOULD	D
TROTTEPIA		BT MOULDS	
TUBERCULINA		RT BOTRYTIS	
UNCINULA			
VERTICILLIUM			
RT FUNGAL DISEASES		GROWTH DISORDERS	D
MICROORGANISMS		BT PHYSIOLOGICAL DISORDERS	
MYCORRHIZAE			
PLANTS			
SPORES			
		GRYLLOTALPA	D
		BT ORTHOPTERA	
FUSARIUM	D		
BT FUNGI		GUIGNARDIA	D
RT ROOT ROTS		BT FUNGI	
GENETIC CONTROL	D	HEAT STRESS	D
BT CONTROL METHODS		BT PHYSIOLOGICAL DISORDERS	
		RT TEMPERATURE RESISTANCE	

HELICOBASIDIUM BT FUNGI	D	HETEROPTERA	D
		UF Stinkbugs	
		BT HEMIPTERA	
HELICOTYLENCHUS BT NEMATODES	D	NT ACANTHOMIA	
		ACROSTERNUM	
		BAGRADA	
		EUSCHISTUS	
HELIOTHIS	D	LEPTOGLOSSUS	
BT LEPIDOPTERA		NEZARA	
NT HELIOTHIS ARMIGERA		PIEZODORUS	
		RIPTORTUS	
		THYANTA	
HELIOTHIS ARMIGERA	D		
UF Tomato fruitworm		HILDA	D
BT HELIOTHIS		BT HOMOPTERA	
HELLULA	D		
UF Cabbage webworm		HOMOPTERA	D
BT LEPIDOPTERA		UF Coccids	
		Froghoppers	
HELMINTHOSPORIUM	D	Jassids	
BT FUNGI		Lac insects	
		Leafhoppers	
		Mealybugs	
		Planthoppers	
		Scales	
HEMIPTERA	D	Spittlebugs	
UF Bugs		BT HEMIPTERA	
BT INSECTS		NT AGALLIA	
NT HETEROPTERA		APHIDS	
HOMOPTERA		AUSTROAGALLIA	
		BEMISIA	
HERSE CINGULATA	D	CICADULINA	
BT LEPIDOPTERA		DALBULUS	
		DIAPHORINA	
		DYSMICOCUS	
HETERODERA	D	EMPOASCA	
UF Soybean cyst nematodes		EUTETTIX	
BT NEMATODES		FERRISIA	
		HILDA	
		JAVESELLA	
		MACROSTELES	
		NEPHOTETTIX	
		PLANOCOCCUS	
		PSEUDOCOCCUS	
		PSYLLA	
		TRIOZA	
		HOPLOLAIMUS	D
		BT NEMATODES	

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I

INSECT CONTROL	D	LABORATORY ANIMALS	D
SN Control of pest insects		BT ANIMALS	
BT PEST CONTROL			
NT LIGHT TRAPS			
STERILE INSECT RELEASE		LAMPIDES	D
RT ATTPACTANTS		BT LEPIDOPTERA	
REPELLENTS			
INSECTS	D	LEACHING	D
BT ARTHROPODS		SN Removal of soluble	
NT COLEOPTERA		chemicals by water	
DICTYOPTERA		passing through the soil	
DIPTERA		BT WATER EROSION	
HEMIPTERA		RT SOIL FERTILITY	
HYMENOPTERA			
ISOPTERA		LEAF BLIGHT	D
LEPIDOPTERA		BT BLIGHTS	
ORTHOPTERA		RT CHOANEPHORA	
PHASMIDA		STEMPHYLIUM	
PHTHIRAPTERA			
SIPHONAPTERA		LEAF CURLS	D
THYSANOPTERA		BT SYMPTOMS	
USEFUL INSECTS			
RT PEST INSECTS		LEAF SPOTS	D
INTEGRATED PEST MANAGEMENT	D	UF Leafspot	
UF IPM		BT SPOTS	
BT PEST CONTROL		NT CERCOSPORA LEAF SPOT	
		FROGEYE LEAF SPOT	
INVERTEBRATES	D	RT ALTERNARIA	
NT ANNELIDA		DACTULIOPHORA	
ARTHROPODS		LEPTOSPHERULINA	
MOLLUSCS		PHYLLOSTICTA	
NEMATODES		PYRENOCHAETA	
PROTOZOA			
RT ANIMALS		LEAF-EATING INSECTS	D
		BT CHEWING INSECTS	
ISARIOPSIS	D		
BT FUNGI		LEECHES	D
		BT ANNELIDA	
ISOPTERA	D		
UF Termites			
BT INSECTS			
JAVESELLA	D		
BT HOMOPTERA			

LEPIDOPTERA	D	LESIONS	D
UF Armyworms		BT SYMPTOMS	
Butterflies			
Caterpillars			
Cutworms		LETTUCE NECROTIC YELLOW VIRUS	D
Loopers		BT VIRUSES	
Moths			
BT INSECTS			
NT ACHAEA		LIGHT TRAPS	D
ACHERONTIA		BT INSECT CONTROL	
AGRIUS			
AGROTIS			
ANTICARSIA		LIPAPHIS	D
BRACHMIA		BT APHIDS	
COLIAS			
CROCIDOLOMIA			
CYNTHIA		LIRIOMYZA	D
DIACRISIA		BT AGROMYZIDAE	
ELASMOPALPUS			
EPHESTIA			
ESTIGMENE		LISTRODERES	D
ETIELLA ZINCKENELLA		BT COLEOPTERA	
HELIOTHIS			
HELLULA			
HERSE CINGULATA		LIVESTOCK	D
LAMPIDES		BT DOMESTIC ANIMALS	
MAMESTRA		NT CATTLE	
MARUCA		SWINE	
MEGASTES		WATER BUFFALOES	
MOCIS			
MYTHIMNA			
OEBIA		LOCUSTA	D
OSTRINIA		BT ORTHOPTERA	
PHTHORIMAEA			
PIERIS			
PLATHYPENA		LODGING RESISTANCE	CD
PLODIA		BT RESISTANCE TO INJURIOUS	
PLUSIA		FACTORS	
PLUTELLA		RT PLANT WEATHERING	
PSEUDOPLUSIA		WILTING	
SPODOPTERA			
SYNANTHEDON			
TRICHOPLUSIA		LONGIDORUS	D
		BT NEMATODES	
LEPTOGLOSSUS	D		
BT HETEROPTERA		LOXOBLEMMUS	D
		BT ORTHOPTERA	
LEPTOSPHAERULINA	D		
BT FUNGI		MACROPHOMA	D
RT LEAF SPOTS		BT FUNGI	

MACROPHOMINA	D	MELOIDOGYNE	D
BT FUNGI		UF Root-knot nematodes	
RT CHARCOAL ROT		BT NEMATODES	
MACROPOSTHONIA	D	METABOLIC DISORDERS	D
BT NEMATODES		BT PHYSIOLOGICAL DISORDERS	
		RT METABOLISM	
MACROSIPHONIELLA	D	MICROORGANISMS	D
BT APHIDS		UF Micro-organisms	
		NT BACTERIA	
MACROSIPHUM	D	PROTOZOA	
BT APHIDS		VIRUSES	
		RT ANTIMICROBIALS	
MACROSTELLES	D	FUNGI	
BT HOMOPTERA		MICROBIOLOGY	
		PARASITES	
		PATHOGENS	
MAMESTRA	D	MICROSCOPY	D
BT LEPIDOPTERA		NT IMMUNOSORBANT ELECTRON	
		MICROSCOPY	
MARUCA	D	MICROSPHAERA	D
BT LEPIDOPTERA		BT FUNGI	
		RT POWDERY MILDEWS	
MASS REARING	D		
BT BIOLOGICAL CONTROL			
MASTIGOPHORA	D	MICROSPORA	D
BT PROTOZOA		BT PROTOZOA	
MEGASTES	D	MILDEWS	D
BT LEPIDOPTERA		BT FUNGAL DISEASES	
		NT DOWNY MILDEWS	
		POWDERY MILDEWS	
MELANOGROMYZA	D		
BT AGROMYZIDAE		MOCIS	D
		BT LEPIDOPTERA	
MELANOPLUS	D	MOLLUSCS	D
BT ORTHOPTERA		BT INVERTEBRATES	
		RT NOXIOUS MOLLUSCS	
MELANOTUS	D		
BT COLEOPTERA		MONILIA	D
		BT FUNGI	

MONILOCHAETES	D	MYCOPLASMA-LIKE ORGANISMS	D
UF Sweet potato scurf		UF MLO	
BT FUNGI		BT MYCOPLASMATALES	
MOULDS	D	MYCOPLASMATALES	D
BT FUNGAL DISEASES		BT BACTERIA	
NT GREY MOULD		NT MYCOPLASMA-LIKE ORGANISMS	
RT SYMPTOMS			
MUNGBEAN MOSAIC VIRUS	D	MYCOPHRIZAL FUNGI	D
SN This virus is considered to be a strain of bean common mosaic virus by some authorities		BT FUNGI	
UF M-BCMV		MYCOSPHAERELLA	D
MMV		BT FUNGI	
BT VIRUSES		MYROTHECIUM	D
RT BEAN COMMON MOSAIC VIRUS		BT FUNGI	
MUNGBEAN MOTTLE VIRUS	D	MYTHIMNA	D
BT VIRUSES		BT LEPIDOPTERA	
MUNGBEAN SCAB	D	MYZUS	D
BT SCABS		BT APHIDS	
		NT MYZUS PERSICAE	
MUNGBEAN YELLOW MOSAIC VIRUS	D	MYZUS PERSICAE	D
BT VIRUSES		BT MYZUS	
MUNGBEAN YELLOW MOTTLE VIRUS	D	NATURAL DISASTERS	D
BT VIRUSES		BT INJURIOUS FACTORS	
MUSCIDAE	D	NT DROUGHT	
BT DIPTERA		FLOODING	
		STORMS	
MYCOLEPTODISCUS	D	NATURAL ENEMIES	D
BT FUNGI		SN Parasites, predators or others whose activities tend to limit populations of pest species	
RT ROOT ROTS		RT BIOLOGICAL COMPETITION	
MYCOPLASMA-LIKE DISEASES	D	BIOLOGICAL CONTROL	
UF Machismo		ORGANISMS	
Q disease		PREDATORS	
Witches' broom disease			
BT DISEASES			
NT PHYLLODY			

NEMATODES	D	NICOTIANA BENTHAMIANA	AD
UF Eelworms		BT INDICATOR HOST PLANTS	
Nema		NICOTIANA	
Plant nematodes			
Roundworms			
BT INVERTEBRATES		NICOTIANA GLUTINOSA	AD
NOXIOUS ANIMALS		BT INDICATOR HOST PLANTS	
NT ACUARIA		NICOTIANA	
AMIDOSTOMUM			
APHELENCHOIDES		NICOTIANA SYLVESTRIS	AD
APHELENCHUS		BT INDICATOR HOST PLANTS	
BELONOLAIMUS		NICOTIANA	
CRICONEMOIDES			
DITYLENCHUS			
HELICOTYLENCHUS			
HETERODERA		NICOTIANA TABACUM	AD
HOPLOLAIMUS		UF Tobacco	
LONGIDORUS		BT INDICATOR HOST PLANTS	
MACROPOSTHONIA		NICOTIANA	
MELOIDOGYNE			
PRATYLENCHUS			
ROTYLENCHULUS		NIGROSPORA	D
ROTYLENCHUS		BT FUNGI	
TRICHODORUS			
TYLENCHORHYNCHUS			
TYLENCHULUS		NITROGEN-FIXING BACTERIA	D
TYLENCHUS		BT BACTERIA	
XIPHINEMA		RT INOCULATION	
		NITROGEN FIXATION	
NEMATOSPORA	D		
BT FUNGI		NOXIOUS ANIMALS	D
RT YEAST SPOT		BT PESTS	
		NT NEMATODES	
		NOXIOUS BIRDS	
NEOCOSMOSPORA	D	NOXIOUS MAMMALS	
BT FUNGI		NOXIOUS MOLLUSCS	
RT STEM ROTS		PEST INSECTS	
		RT ANIMALS	
NEOTOXOPTERA	D		
BT APHIDS		NOXIOUS BIRDS	D
		BT NOXIOUS ANIMALS	
		RT BIRDS	
NEPHOTETTIX	D		
BT HOMOPTERA		NOXIOUS MAMMALS	D
		BT NOXIOUS ANIMALS	
NEZARA	D	NT RODENTS	
BT HETEROPTERA			

NOXIOUS MOLLUSCS	D	ORTHOPTERA	D
UF Slugs and snails (injurious)		UF Crickets	
BT NOXIOUS ANIMALS		Grasshoppers	
RT MOLLUSCS		Locusts	
		BT INSECTS	
		NT ACHETA	
		BRACHYTRUPES	
NUTRITIONAL DISORDERS	D	GRYLLOTALPA	
BT DISORDERS		LOCUSTA	
NT DEFICIENCY DISORDERS		LOXOBLEMMUS	
RT PHYSIOLOGICAL DISORDERS		MELANOPLUS	
		SCAPSIPEDUS	
		SCHISTOCERCA	
		TELEOGRYLLUS	
OEBIA	D		
BT LEPIDOPTERA			
OIDIUM	D	ORYZAEPHILUS	D
BT FUNGI		BT COLEOPTERA	
RT POWDERY MILDEWS			
OKRA MOSAIC VIRUS	D	OSTRINIA	L
BT VIRUSES		UF Corn earworm	
		BT LEPIDOPTERA	
ONION YELLOW DWARF VIRUS	D	PAECILOMYCES	D
BT VIRUSES		BT FUNGI	
OOTHECA	D	PARASITES	D
BT COLEOPTERA		BT PARASITISM	
		NT PARASITIC PLANTS	
		RT EPIPHYTES	
		MICROORGANISMS	
OPHIOMYIA	D		
BT AGROMYZIDAE			
OPHIONECTRIA	D	PARASITIC PLANTS	D
BT FUNGI		SN Parasitic higher or vascular plants	
		BT INJURIOUS FACTORS	
		PARASITES	
		RT PLANTS	
		WEEDS	
		PARASITISM	D
		BT BIOLOGICAL COMPETITION	
		NT HOSTS	
		PARASITES	

PATHOGENS	D	PEST CONTROL	D
BT ETIOLOGY		UF Pest management	
NT SEED-BORNE PATHOGENS		PM	
SOIL-BORNE PATHOGENS		BT CONTROL OF INJURIOUS	
RT MICROORGANISMS		FACTORS	
PATHOLOGY		NT INSECT CONTROL	
		INTEGRATED PEST MANAGEMENT	
		STORED PRODUCTS PEST	
		CONTROL	
PATHOLOGY	D		
NT PLANT PATHOLOGY			
RT PATHOGENS			
		PEST INSECTS	D
		BT NOXIOUS ANIMALS	
PEA ENATION MOSAIC VIRUS	D	NT CHEWING INSECTS	
BT VIRUSES		SUCKING INSECTS	
		RT INSECTS	
PEANUT MOTTLE VIRUS	D		
UF PMV		PEST RESISTANCE	CD
BT VIRUSES		SN Resistance to pests	
		BT RESISTANCE TO INJURIOUS	
		FACTORS	
PEANUT STUNT VIRUS	D	RT PESTS	
BT VIRUSES			
PENICILLIUM	D	PESTALOTIA	D
BT FUNGI		BT FUNGI	
PENTALONIA	D	PESTICIDE RESIDUES	DF
BT APHIDS		BT RESIDUES	
		TOXIC SUBSTANCES	
		RT PESTICIDE PERSISTENCE	
		PESTICIDES	
PEPPER MOTTLE VIRUS	D		
BT VIRUSES			
		PESTICIDE RESISTANCE	D
PERENNIAL WEEDS	D	SN Resistance of pests to	
BT WEEDS		pesticides	
		BT RESISTANCE	
PERONOSPORA	D	PESTS	D
BT FUNGI		BT INJURIOUS FACTORS	
NT PERONOSPORA MANSHURICA		NT NOXIOUS ANIMALS	
RT DOWNY MILDEWS		STORED PRODUCTS PESTS	
		RT PEST RESISTANCE	
PERONOSPORA MANSHURICA	D	PHAEDON	D
BT PERONOSPORA		BT COLEOPTERA	

PHAKOPSORA	D	PHYLLOSTICTA	D
BT FUNGI		BT FUNGI	
NT PHAKOPSORA PACHYRHIZI		RT LEAF SPOTS	
PHAKOPSORA PACHYRHIZI	D	PHYLLOTRETA	D
BT PHAKOPSORA		BT COLEOPTERA	
RT RUSTS		NT PHYLLOTRETA STRIOLATA	
PHASEOLUS VULGARIS	AD	PHYLLOTRETA STRIOLATA	D
BT INDICATOR HOST PLANTS		UF Cabbage flea beetle	
PHASEOLUS		Striped flea beetle	
RT KIDNEY BEANS		BT PHYLLOTRETA	
PHASMIDA	D	PHYSICAL CONTROL	D
UF Stick-insects		SN Use of screens, barriers,	
BT INSECTS		reflective surfaces and	
PHIALOPHORA	D	manual methods to control	
BT FUNGI		pests and other injurious	
RT BROWN STEM ROT		factors	
PHOMA	D	BT CONTROL METHODS	
BT FUNGI		NT WINDBREAKS	
PHOMOPSIS	D	RT MANUAL METHODS	
SN Anamorph (imperfect		PHYSIOLOGICAL DISORDERS	D
state) of Diaporthe		BT DISORDERS	
BT FUNGI		NT DEHYDRATION	
RT DIAPORTHE		GROWTH DISORDERS	
POD AND STEM BLIGHT		HEAT STRESS	
PHTHIRAPTERA	D	METABOLIC DISORDERS	
UF Lice		SALT STRESS	
BT INSECTS		RT NUTRITIONAL DISORDERS	
PHTHORIMAEA	D	PHYTOMYZA	D
BT LEPIDOPTERA		BT AGROMYZIDAE	
PHYLLODY	D	PHYTOPHTHORA	D
BT MYCOPLASMA-LIKE DISEASES		BT FUNGI	
PHYLLOPHAGA	D	NT PHYTOPHTHORA INFESTANS	
BT COLEOPTERA		PHYTOPHTHORA MEGASPERMA	
		RT ROTS	
		PHYTOPHTHORA INFESTANS	D
		BT PHYTOPHTHORA	
		PHYTOPHTHORA MEGASPERMA	D
		BT PHYTOPHTHORA	

PIERIS	D	PLANT PROTECTION	D
BT LEPIDOPTERA		UF Crop protection	
NT PIERIS BRASSICAE		NT CONTROL OF INJURIOUS	
PIERIS CANIDIA		FACTORS	
PIERIS CRUCIVORA		DISEASE PREVENTION	
PIERIS MELETE		RT CULTIVATION	
PIERIS NAPI		PROTECTED CULTIVATION	
PIERIS RAPAE			
PIERIS BRASSICAE	D	PLASMIDIOPHORA	D
BT PIERIS		BT FUNGI	
		RT CLUBROOT	
PIERIS CANIDIA	D	PLATHYPENA	D
BT PIERIS		BT LEPIDOPTERA	
PIERIS CRUCIVORA	D	PLENODOMUS	D
BT PIERIS		BT FUNGI	
PIERIS MELETE	D	PLEOSPHAERULINA	D
BT PIERIS		BT FUNGI	
PIERIS NAPI	D	PLODIA	D
BT PIERIS		BT LEPIDOPTERA	
PIERIS RAPAE	D	PLUSIA	D
BT PIERIS		UF Corn semi-looper	
		BT LEPIDOPTERA	
PIEZODORUS	D	PLUTELLA	D
BT HETEROPTERA		BT LEPIDOPTERA	
		NT PLUTELLA XYLOSTELLA	
PLANOCOCCUS	D	PLUTELLA XYLOSTELLA	D
BT HOMOPTERA		UF Diamond-back moth	
		BT PLUTELLA	
PLANT GALLS	D		
BT SYMPTOMS			
PLANT PATHOLOGY	BD	POD AND STEM BLIGHT	D
BT BOTANY		BT BLIGHTS	
PATHOLOGY		FUNGAL DISEASES	
		RT DIAPORTHE	
		PHOMOPSIS	
		POD BORERS	D
		BT CHEWING INSECTS	

POLLINATORS	D	PROTOZOA	D
BT ANIMALS		BT INVERTEBRATES	
NT BEES		MICROORGANISMS	
		NT CILIOPHORA	
		MASTIGOPHORA	
		MICROSPORA	
		SPOROZOA	
		RT SOIL FAUNA	
POLLUTANTS	D		
BT INJURIOUS FACTORS			
RT RESIDUES			
POTATO LEAFROLL VIRUS	D	PSEUDOCOCCUS	D
UF PLRV		BT HOMOPTERA	
BT VIRUSES			
POTATO VIRUS X	D	PSEUDOMONACEAE	D
UF PVX		BT BACTERIA	
BT VIRUSES		NT PSEUDOMONAS	
		XANTHOMONAS	
POTATO VIRUS Y	D	PSEUDOMONAS	D
UF PVY		BT PSEUDOMONACEAE	
BT VIRUSES		RT BACTERIAL BLIGHT	
POULTRY	D	PSEUDOPUSIA	D
BT DOMESTIC ANIMALS		BT LEPIDOPTERA	
RT BIRDS			
POWDERY MILDEWS	D	PSYLLA	D
BT MILDEWS		BT HOMOPTERA	
RT ERYSHIPHE			
MICROSPHAERA			
OIDIUM		PURPLE SEED STAIN	D
		BT FUNGAL DISEASES	
PRATYLENCHUS	D	PYRENOCHAETA	D
UF Root-lesion nematodes		BT FUNGI	
BT NEMATODES		RT LEAF SPOTS	
PREDATION	D	PYTHIUM	D
BT BIOLOGICAL COMPETITION		BT FUNGI	
RT PREDATORS		RT DAMPING-OFF	
		ROOT ROTS	
		ROOTS	
PREDATORS	D		
RT NATURAL ENEMIES		QUARANTINE	D
PREDATION		BT DISEASE PREVENTION	

ROOT-EATING INSECTS	D	SCABS	D
BT CHEWING INSECTS		BT FUNGAL DISEASES	
		SYMPTOMS	
		NT MUNGREAN SCAB	
ROSELLINIA	D	SOYBEAN SCAB	
BT FUNGI			
ROTS	D	SCAPSIPEDUS	D
BT SYMPTOMS		BT ORTHOPTERA	
NT CHARCOAL ROT			
ROOT ROTS		SCHISTOCERCA	D
SOFTROTS		BT ORTHOPTERA	
STEM ROTS			
RT BACTERIAL DISEASES		SCLEROCYSTIS	D
FUNGAL DISEASES		BI FUNGI	
PHYTOPHTHORA			
PYTHIUM			
ROTYLENCHULUS	D	SCLEROTINIA	D
UF Reniform nematodes		BT FUNGI	
BT NEMATODES		RT STEM ROTS	
ROTYLENCHUS	D	SCLEROTIUM	D
BT NEMATODES		BT FUNGI	
RUSTS	D	SEED INOCULATION	DE
BT FUNGAL DISEASES		BT INOCULATION	
NT SOYBEAN RUST		SEED TREATMENT	
RT PHAKOPSORA PACHYPHIZI			
SYMPTOMS		SEED-BORNE PATHOGENS	D
		BT PATHOGENS	
SALT STRESS	D		
BT PHYSIOLOGICAL DISORDERS		SEPTOGLOEUM	D
RT SALT TOLERANCE		BT FUNGI	
SALT TOLERANCE	CD	SEPTORIA	D
UF Salinity resistance		BT FUNGI	
BT RESISTANCE TO INJURIOUS		RT BROWN SPOT	
FACTORS			
RT SALT STRESS		SERICOTHRIPS	D
		BT THYSANOPTERA	
SAPROPHYTISM	D	SEROLOGY	D
UF Saprophytes		UF Serological techniques	
BT BIOLOGICAL COMPETITION		RT IMMUNOLOGY	

SEX ATTRACTANTS	D	SOYBEAN MOSAIC VIRUS	D
BT ATTRACTANTS		UF SMV	
RT PHEROMONES		BT VIRUSES	
SHATTERING RESISTANCE	CD	SOYBEAN ROSETTE VIRUS	D
BT RESISTANCE TO INJURIOUS FACTORS		BT VIRUSES	
SIPHONAPTERA	D	SOYBEAN RUST	D
UF Fleas		BT RUSTS	
BT INSECTS			
SMUTS	D	SOYBEAN SCAB	D
BT FUNGAL DISEASES		UF Kokuto-byo	
RT SYMPTOMS		BT SCABS	
		RT SPHACELOMA	
SOFTROTS	D	SOYBEAN STUNT VIRUS	D
BT ROTS		UF SSV	
NT BACTERIAL SOFTROT		BT VIRUSES	
SOIL DETERIORATION	D	SPHACELOMA	D
BT INJURIOUS FACTORS		BT FUNGI	
RT EROSION		RT SOYBEAN SCAB	
SOIL CONSERVATION			
SOIL FERTILITY		SPODOPTERA	D
SOIL MANAGEMENT		BT LEPIDOPTERA	
SOIL TOXICITY		NT SPODOPTERA EXIGUA	
		SPODOPTERA LITURA	
SOIL TOXICITY	D		
UF Toxic soils		SPODOPTERA EXIGUA	D
BT INJURIOUS FACTORS		UF Beet armyworm	
TOXICITY		BT SPODOPTERA	
RT SOIL DETERIORATION			
SOIL MANAGEMENT		SPODOPTERA LITURA	D
TOXIC SUBSTANCES		UF Fall armyworm	
		BT SPODOPTERA	
SOIL-BORNE PATHOGENS	D		
BT PATHOGENS		SPOROZOA	D
		BT PROTOZOA	
SOUTHERN BEAN MOSAIC VIRUS	D		
BT VIRUSES			
SOYBEAN DWARF VIRUS	D		
BT VIRUSES			

SPOTS	D	STORMS	D
BT SYMPTOMS		BT NATURAL DISASTERS	
NT BROWN SPOT		NT CYCLONES	
LEAF SPOTS		RT WIND DAMAGE	
TARGET SPOT		WINDBREAKS	
YEAST SPOT			
RT FUNGAL DISEASES			
		STREPTOMYCES	D
		BT ACTINOMYCETALES	
SPRAYING	D		
BT APPLICATION METHODS		SUCKING INSECTS	D
RT SPRAYERS		BT PEST INSECTS	
STEM BORERS	D	SWEET POTATO MILD MOTTLE VIRUS	D
BT CHEWING INSECTS		BT VIRUSES	
STEM CANKER	D	SWEET POTATO STUNT VIRUS	D
BT CANKERS		BT VIRUSES	
RT DIAPORTHE			
STEM ROTS	D	SWEET POTATO VEIN-CLEARING VIRUS	D
UF Stem decay		BT VIRUSES	
BT ROTS			
NT BROWN STEM ROT		SWEET POTATO VIRUS A	D
RT NEOCOSMOSPORA		UF SPV-A	
RHIZOCTONIA		BT VIRUSES	
SCLEROTINIA			
STEMPHYLIUM	D	SWEET POTATO VIRUS B	D
BT FUNGI		BT VIRUSES	
RT LEAF BLIGHT			
STERILE INSECT RELEASE	D	SWEET POTATO VIRUS N	D
BT BIOLOGICAL CONTROL		BT VIRUSES	
INSECT CONTROL			
		SWINE	D
		UF Pigs	
STORED PRODUCTS PEST CONTROL	D	BT LIVESTOCK	
BT PEST CONTROL			
STORED PRODUCTS PESTS	D		
BT PESTS			

SYMPTOMS	D	TEMPERATURE RESISTANCE	CD
UF Disease symptoms (plant)		UF Cold tolerance	
Plant disease		Heat tolerance	
manifestations		BT RESISTANCE TO INJURIOUS	
NT BLIGHTS		FACTORS	
BLOTCHES		PT ENVIRONMENTAL TEMPERATURE	
CANKERS		HEAT STRESS	
CHLOPOSI		PLANT WEATHERING	
LEAF CURLS			
LESIONS			
PLANT GALLS		TEPHRITIDAE	D
ROTS		UF Fruit flies	
SCABS		BT DIPTERA	
SPOTS		NT CERATITIS	
WILTS			
RT DIAGNOSIS			
DISEASES		THANATEPHORUS	D
MOULDS		BT FUNGI	
RUSTS			
SMUTS			
		THIELAVIOPSIS	D
		BT FUNGI	
		RT ROOT ROTS	
SYNANTHEDON	D		
BT LEPIDOPTERA			
		THRIPS (GENUS)	D
SYNCHYTRIUM	D	BT THYSANOPTERA	
BT FUNGI			
		THYANTA	D
SYSTEMA	D	BT HETEROPTERA	
BT COLEOPTERA			
		THYSANOPTERA	D
TAENIOTHrips	D	BT INSECTS	
BT THYSANOPTERA		NT CALIOTHrips	
		FRANKLINIELLA	
		SERICOTHrips	
TARGET SPOT	D	TAENIOTHrips	
BT FUNGAL DISEASES		THRIPS (GENUS)	
SPOTS			
RT CORYNESPORA			
		TIPBURN	D
		BT DEFICIENCY DISORDERS	
TELEOGRYLLUS	D		
BT ORTHOPTERA		TOBACCO ETCH VIRUS	D
		UF TEV	
		BT VIRUSES	
		TOBACCO LEAF CURL VIRUS	D
		UF TLCV	
		BT VIRUSES	

TOBACCO MOSAIC VIRUS UF TMV BT VIRUSES	D	TOMATO SPOTTED WILT VIRUS UF TSWV BT VIRUSES	D
TOBACCO NECROSIS VIRUS BT VIRUSES	D	TOMATO YELLOW DWARF VIRUS BT VIRUSES	D
TOBACCO RATTLE VIRUS BT VIRUSES	D	TOMATO YELLOW LEAFCURL VIRUS UF TYLCV BT VIRUSES	D
TOBACCO RINGSPOT VIRUS UF TRSV BT VIRUSES RT BUD BLIGHT	D	TOMATO YELLOW MOSAIC VIRUS BT VIRUSES	D
TOBACCO STREAK VIRUS UF TSV BT VIRUSES RT BRAZILIAN BUD BLIGHT	D	TOXIC SUBSTANCES BT INJURIOUS FACTORS NT PESTICIDE RESIDUES RT SOIL TOXICITY	D
TOMATO ASPERMY VIRUS UF TASV BT VIRUSES	D	TOXICITY UF Phytotoxicity NT SOIL TOXICITY	D
TOMATO BLACK RING VIRUS BT VIRUSES	D	TRICHODORUS BT NEMATODES	D
TOMATO BUSHY STUNT VIRUS UF TBSV BT VIRUSES	D	TRICHOPLUSIA UF Cabbage looper BT LEPIDOPTERA	D
TOMATO GOLDEN MOSAIC VIRUS BT VIRUSES	D	TRICHOTHECIUM BT FUNGI	D
TOMATO MOSAIC VIRUS UF ToMV BT VIRUSES	D	TRIOZA BT HOMOPTERA	D
TOMATO RINGSPOT VIRUS BT VIRUSES	D	TROTTERIA BT FUNGI	D
		TUBERCULINA BT FUNGI	D

TURNIP CRINKLE VIRUS BT VIRUSES	D	VICIA FABAE BT INDICATOR HOST PLANTS VICIA RT FABAE BEANS	AD
TURNIP MOSAIC VIRUS UF TuMV BT VIRUSES	D	VIGNA UNGUICULATA UF Dolichos unguiculata Vigna sinensis	AD
TURNIP ROSETTE MOSAIC VIRUS BT VIRUSES	D	BT INDICATOR HOST PLANTS VIGNA NT VIGNA UNGUICULATA BIFLORA VIGNA UNGUICULATA SESQUIPEDALIS VIGNA UNGUICULATA UNGUICULATA RT COWPEAS	
TURNIP YELLOW MOSAIC VIRUS BT VIRUSES	D		
TYLENCHORHYNCHUS BT NEMATODES	D		
TYLENCHULUS BT NEMATODES	D	VIGNA UNGUICULATA BIFLORA UF Dolichos biflorus Dolichos catjang Phaseolus cylindricus Vigna unguiculata subsp. cylindrica	AD
TYLENCHUS BT NEMATODES	D	BT VIGNA UNGUICULATA	
UNCINULA BT FUNGI	D	VIGNA UNGUICULATA SESQUIPEDALIS UF Dolichos sesquipedalis Vigna sesquipedalis BT VIGNA UNGUICULATA RT YARD-LONG BEANS	AD
USEFUL INSECTS BT INSECTS RT BIOLOGICAL CONTROL ORGANISMS	D		
VECTORS BT DISEASE TRANSMISSION	D	VIRAL DISEASES SN In general, viral diseases should be indexed with the name of the virus. See VIRUSES	D
VERTICAL RESISTANCE SN Oligogenic, qualitative, race-specific resistance UF Specific resistance BT RESISTANCE	D	BT DISEASES NT BRAZILIAN BUD BLIGHT BUD BLIGHT RT VIRUSES	
VERTICILLIUM BT FUNGI	D	VIRUS STRAINS UF Virus races RT VIRUSES	D

VIRUSES

D

UF Plant viruses
 BT MICROORGANISMS
 NT ABUTILON MOSAIC VIRUS
 ADZUKIBEAN MOSAIC VIRUS
 ALFALFA MOSAIC VIRUS
 BEAN COMMON MOSAIC VIRUS
 BEAN CRUMPLING VIRUS
 BEAN GOLDEN MOSAIC VIRUS
 BEAN POD MOTTLE VIRUS
 BEAN RUGOSE MOSAIC VIRUS
 BEAN YELLOW MOSAIC VIRUS
 BEET CURLY TOP VIRUS
 BEET YELLOWS VIRUS
 BLACKEYE COWPEA MOSAIC
 VIRUS
 BLACKGRAM LEAF CRINKLE
 VIRUS
 BLACKGRAM MOSAIC VIRUS
 BLACKGRAM STERILITY
 MOSAIC VIRUS
 BROAD BEAN MOTTLE VIRUS
 BROAD BEAN STAIN VIRUS
 BROAD BEAN TRUE MOSAIC
 VIRUS
 BROAD BEAN WILT VIRUS
 CASSAVA MOSAIC VIRUS
 CAULIFLOWER MOSAIC VIRUS
 CHILI LEAFCURL VIRUS
 COWPEA APHID-BORNE MOSAIC
 VIRUS
 COWPEA CHLOROTIC MOTTLE
 VIRUS
 COWPEA MILD MOTTLE VIRUS
 COWPEA MOSAIC VIRUS
 COWPEA SEVERE MOSAIC VIRUS
 CUCUMBER MOSAIC VIRUS
 GREENGRAM MOSAIC VIRUS
 LETTUCE NECROTIC YELLOW
 VIRUS
 MUNGBEAN MOSAIC VIRUS
 MUNGBEAN MOTTLE VIRUS
 MUNGBEAN YELLOW MOSAIC
 VIRUS
 MUNGBEAN YELLOW MOTTLE
 VIRUS
 OKRA MOSAIC VIRUS
 ONION YELLOW DWARF VIRUS
 PEA ENATION MOSAIC VIRUS
 PEANUT MOTTLE VIRUS
 PEANUT STUNT VIRUS
 PEPPER MOTTLE VIRUS
 POTATO LEAFROLL VIRUS
 POTATO VIRUS X
 POTATO VIRUS Y

RADISH ENATION MOSAIC
 VIRUS

RADISH MOSAIC VIRUS
 SOUTHERN BEAN MOSAIC VIRUS
 SOYBEAN DWARF VIRUS
 SOYBEAN MOSAIC VIRUS
 SOYBEAN ROSETTE VIRUS
 SOYBEAN STUNT VIRUS
 SWEET POTATO MILD MOTTLE
 VIRUS
 SWEET POTATO STUNT VIRUS
 SWEET POTATO
 VEIN-CLEARING VIRUS
 SWEET POTATO VIRUS A
 SWEET POTATO VIRUS B
 SWEET POTATO VIRUS N
 TOBACCO ETCH VIRUS
 TOBACCO LEAF CURL VIRUS
 TOBACCO MOSAIC VIRUS
 TOBACCO NECROSIS VIRUS
 TOBACCO RATTLE VIRUS
 TOBACCO RINGSPOT VIRUS
 TOBACCO STREAK VIRUS
 TOMATO ASPERMY VIRUS
 TOMATO BLACK RING VIRUS
 TOMATO BUSHY STUNT VIRUS
 TOMATO GOLDEN MOSAIC VIRUS
 TOMATO MOSAIC VIRUS
 TOMATO RINGSPOT VIRUS
 TOMATO SPOTTED WILT VIRUS
 TOMATO YELLOW DWARF VIRUS
 TOMATO YELLOW LEAFCURL
 VIRUS
 TOMATO YELLOW MOSAIC VIRUS
 TURNIP CRINKLE VIRUS
 TURNIP MOSAIC VIRUS
 TURNIP ROSETTE MOSAIC
 VIRUS
 TURNIP YELLOW MOSAIC VIRUS
 WILD CUCUMBER MOSAIC VIRUS
 RT ANTIVIRAL AGENTS
 VIRAL DISEASES
 VIROLOGY
 VIRUS STRAINS

VOLVARIELLA
 BT EDIBLE FUNGI

DE

WATER BUFFALOES
 BT LIVESTOCK

D

WATER EROSION	D	WIND RESISTANCE	CD
BT EROSION		UF Resistance to wind	
NT LEACHING		BT RESISTANCE TO INJURIOUS FACTORS	
		RT PLANT WEATHERING	
WEED COMPETITION	D		
BT BIOLOGICAL COMPETITION		XANTHOMONAS	D
RT WEEDS		BT PSEUDOMONACEAE	
		RT BACTERIAL PUSTULE	
WEED CONTROL	D		
UF Weeding		XIPHINEMA	D
BT CONTROL OF INJURIOUS FACTORS		BT NEMATODES	
WEEDS	D	YEAST SPOT	D
BT INJURIOUS FACTORS		BT FUNGAL DISEASES	
NT ANNUAL WEEDS		SPOTS	
PERENNIAL WEEDS		RT NEMATOSPORA	
RT PARASITIC PLANTS			
PLANTS		ACARICIDES	E
WEED COMPETITION		BT PESTICIDES	
WILD CUCUMBER MOSAIC VIRUS	D	ACID SOILS	E
BT VIRUSES		BT CHEMICAL SOIL TYPES	
WILTING	D		
RT DEHYDRATION		ADZUKI BEANS	E
LODGING RESISTANCE		UF Azuki bean	
TRANSPIRATION		Bean (adzuki)	
TURGOR PRESSURE		Bean (azuki)	
WATER BALANCE		Bean (red)	
WILTS		Red beans	
		BT GRAIN LEGUMES	
WILTS	D	RT VIGNA ANGULARIS	
BT SYMPTOMS			
NT BACTERIAL WILT		AGARICUS	DE
RT WILTING		BT EDIBLE FUNGI	
WIND DAMAGE	D		
BT ENVIRONMENTAL EFFECTS			
RT STORMS			
WIND EROSION			
WINDBREAKS			
WIND EROSION	D		
BT EROSION			
RT WIND DAMAGE			

AGRICULTURAL CHEMICALS	E	AMARANTH	E
NT ANTITRANSPIRANTS		UF Chinese spinach	
CHEMOSTERILANTS		Spinach (Chinese)	
DEFOLIANTS		BT GREEN VEGETABLES	
DESSICATORS		NT GRAIN AMARANTHS	
DISINFECTANTS		RT AMARANTHUS	
FERTILIZERS			
HERBICIDES			
HORMONE SPRAYS		ANHYDROUS CALCIUM CHLORIDE	E
MUTAGENS		BT DESSICATORS	
PESTICIDES			
SOIL FUMIGANTS			
RT CHEMICAL APPLICATION		ANIMAL ECOLOGY	E
DRUGS		BT ECOLOGY	
INORGANIC COMPOUNDS			
ORGANIC COMPOUNDS		ANIMAL MANURES	E
PLANT GROWTH SUBSTANCES		UF Dung	
		Farmyard manure	
AGRICULTURAL LIME	E	BT MANURES	
BT SOIL AMENDMENTS			
		ANIMAL POWER	CE
AGRICULTURE	E	BT ENERGY SOURCES	
NT AGRONOMY			
ANIMAL PRODUCTION		ANIMAL PRODUCTION	E
HORTICULTURE		BT AGRICULTURE	
		PRODUCTION	
AGRONOMY	E	RT DOMESTIC ANIMALS	
SN Study of applied phases			
of crop production and			
soil management			
BT AGRICULTURE		ANNUAL	E
RT SOIL SCIENCES		BT PERIODICITY	
ALKALINE SOILS	E	ANTHROPOGENIC SOIL TYPES	E
BT CHEMICAL SOIL TYPES		UF Manmade soils	
		BT SOIL TYPES	
		NT PADDY SOILS	
ALLUVIAL SOILS	E		
BT LITHOLOGICAL SOIL TYPES		ANTITRANSPIRANTS	E
		BT AGRICULTURAL CHEMICALS	
ALTITUDE	E		
RT ENVIRONMENT		APIUM	E
		BT UMBELLIFERAE	
		RT CELERY	

APPLICATION METHODS	E	BLACK MUSTARD	E
NT AERIAL APPLICATION		UF Mustard (black)	
BROADCASTING		BT OIL CROPS	
DRENCHING		RT BRASSICA NIGRA	
DUSTING			
FUMIGATION			
SPRAYING		BROCCOLI	E
RT CHEMICAL APPLICATION		UF Sprouting broccoli	
FERTILIZER APPLICATION		BT GREEN VEGETABLES	
		RT BRASSICA OLERACEA ITALICA	
ASSIMILATION	BE		
BT NUTRITION PHYSIOLOGY		BRUSSELS SPROUTS	E
NT NET ASSIMILATION RATE		BT GREEN VEGETABLES	
RT METABOLISM		RT BRASSICA OLERACEA	
		GEMMIFERA	
AUTOMATIC IRRIGATION	E		
BT IRRIGATION SYSTEMS		BULBOUS VEGETABLES	E
		BT VEGETABLE CROPS	
		NT GARLIC	
AUTUMN	E	LEEKS	
BT SEASONS		ONIONS	
BACILLUS THURINGIENSIS	DE	CABBAGE TYPES	E
BT BACILLUS		BT CABBAGES	
BACTERIAL INSECTICIDES		NT HEADING CABBAGE	
		NON-HEADING CABBAGE	
		SEMI-HEADING CABBAGE	
BACTERIAL INSECTICIDES	E		
BT INSECTICIDES		CABBAGES	E
NT BACILLUS THURINGIENSIS		BT GREEN VEGETABLES	
		NT CABBAGE TYPES	
BALING	E	CHINESE CABBAGE	
BT HARVESTING		CHINESE FLAT CABBAGE	
		CHINESE FLOWERING CABBAGE	
		CHINESE WHITE CABBAGE	
BAMBOO SHOOTS	E	COMMON CABBAGE	
BT STEM VEGETABLES			
		CAJAN	E
BAND PLACEMENT	E	UF Arhar	
BT PLACEMENT		Dhal	
		Gram (red)	
		Pea (pigeon)	
BIOLOGICAL RHYTHMS	E	Pigeon peas	
BT TIMING		Red gram	
RT SEASONALITY		BT GRAIN LEGUMES	
		RT CAJANUS CAJAN	

CALCAREOUS SOILS	E	CHICKPEAS	E
BT CHEMICAL SOIL TYPES		UF Bengal gram	
LITHOLOGICAL SOIL TYPES		Egyptian pea	
		Gram (Bengal)	
		Gram pea	
CARROTS	E	Pea (chick)	
BT ROOT VEGETABLES		Pea (Egyptian)	
RT DAUCUS CAROTA		Pea (gram)	
		BT GRAIN LEGUMES	
		VEGETABLE LEGUMES	
CASSAVA	E	RT CICER ARIETINUM	
BT ROOT VEGETABLES			
RT MANIHOT			
		CHINESE CABBAGE	F
CAULIFLOWERS	E	UF Cabbage (Chinese)	
UF Ye tsoi fa		Celery cabbage	
BT VEGETABLE CROPS		BT CABBAGES	
RT BRASSICA OLERACEA BOTRYTIS		RT BRASSICA CAMPESTRIS	
		PEKINENSIS	
CELERY	E	CHINESE CELERY	E
BT GREEN VEGETABLES		UF Kun tsoi	
NT CHINESE CELERY		BT CELERY	
RT APIUM			
CEREALS	E	CHINESE CHIVES	F
SN Grasses grown for their		UF Chives (Chinese)	
grain		BT CHIVES	
BT GRAIN CROPS			
RT HORDEUM		CHINESE FLAT CABBAGE	F
ORYZA		SN var. rosularis	
SORGHUM		UF Cabbage (Chinese flat)	
TRITICUM		Tai ko tsoi	
ZEA		BT CABBAGES	
		RT BRASSICA CAMPESTRIS	
		CHINENSIS	
CHEMICAL SOIL TYPES	E		
BT SOIL TYPES		CHINESE FLOWERING CABBAGE	F
NT ACID SOILS		BT CABBAGES	
ALKALINE SOILS		RT BRASSICA CAMPESTRIS	
CALCAREOUS SOILS		PARACHINENSIS	
ORGANIC SOILS			
SALINE SOILS			
CHEMOSTERILANTS	E	CHINESE GARLIC	E
BT AGRICULTURAL CHEMICALS		UF Garlic (Chinese)	
		BT GARLIC	

CHINESE KALE	E	CLIMATIC REQUIREMENTS	E
UF Kai lan tsoi		BT CULTIVATION	
BT KALES		RT CLIMATE	
RT BRASSICA OLERACEA		ENVIRONMENTAL CONTROL	
ALBOGLABRA			
CHINESE LEEKS	E	CLIMATIC SOIL TYPES	E
BT LEEKS		BT SOIL TYPES	
		NT TROPICAL SOILS	
CHINESE RADISH	E	COLCHICINE	BE
UF Radish (Chinese)		BT ALKALOIDS	
BT RADISHES		MUTAGENS	
RT RAPHANUS SATIVUS			
LONGIPINNATUS			
CHINESE WHITE CABBAGE	E	COLLECTIVE FARMING	E
UF Cabbage (Chinese white)		BT FARMING SYSTEMS	
Cabbage (Shanghai white)			
Pak choi		COMMON CABBAGE	E
Pak tsoi		UF Cabbage (common)	
Petsai		RT CABBAGES	
Shanghai pak tsoi		RT BRASSICA OLERACEA CAPITATA	
Shanghai white cabbage			
Tsing pak tsoi		CONTINUOUS CROPPING	E
White cabbage (Chinese or		BT CROPPING SYSTEMS	
Shanghai)			
BT CABBAGES		CONTOUR CULTIVATION	E
RT BRASSICA CAMPESTRIS		BT CROPPING SYSTEMS	
CHINENSIS			
CHIVES	E	CONTRACT FARMING	E
BT GREEN VEGETABLES		BT FARMING SYSTEMS	
NT CHINESE CHIVES			
RT ALLIUM		CONTROLLED BURNING	E
		UF Burning	
CLAY SOILS	E	BT WASTE DISPOSAL	
BT LITHOLOGICAL SOIL TYPES			
TEXTURAL SOIL TYPES		COOL SEASON	E
		BT SEASONS	
CLIMATE	E	COOLING	EF
BT ENVIRONMENTAL CONDITIONS		UF Chilling	
NT MOUNTAIN CLIMATE		BT ENVIRONMENTAL CONTROL	
TEMPERATE CLIMATE		PROCESSING	
TROPICAL CLIMATE		RT COOLING EQUIPMENT	
RT CLIMATIC REQUIREMENTS			
PRECIPITATION			

COVER CROPS	E	CROPS	E
UF Cover plants		NT COVER CROPS	
BT CROPS		FEED CROPS	
		FOOD CROPS	
		GRAIN CROPS	
COWPEAS	E	GREEN MANURES	
UF Caupi		NUT CROPS	
Marble pea		OIL CROPS	
Pea (cow)		SEED CROPS	
Pea (marble)		VEGETABLE CROPS	
Pea (southern)		PT LEGUMES	
Sitao		PLANTS	
Southern pea		PRODUCTS	
BT GRAIN LEGUMES			
VEGETABLE LEGUMES			
RT VIGNA UNGUICULATA		CUCURBIT VEGETABLES	E
		UF Melons	
		Pumpkins	
		Winter squashes	
CROPPING SYSTEMS	E	BT FRUIT VEGETABLES	
UF Cropping patterns		RT BENINCASA	
Cultivation systems		CUCUMIS	
BT CULTIVATION		CUCURBITA	
NT CONTINUOUS CROPPING		LUFFA	
CONTOUR CULTIVATION		MOMORDICA	
DRY FARMING			
FALLOW SYSTEMS			
HYDROPONICS			
INTERCROPPING			
IRRIGATED FARMING			
MONOCULTURE			
MULTIPLE CROPPING			
RAIN-FED FARMING			
RELAY CROPPING			
RICE-BASED CROPPING			
SYSTEMS			
ROTATIONAL CROPPING			
SEQUENTIAL CROPPING			
SHIFTING CULTIVATION			
TERRACE CROPPING			
UPLAND CROPPING			
RT FARMING SYSTEMS			

CULTIVATION	E	DIRECT SOWING	E
UF Crop husbandry		SN In situ planting of seed	
Cultural practices		so that no transplanting	
NT CLIMATIC REQUIREMENTS		is required	
CROPPING SYSTEMS		UF Direct seeding	
DISBUDDING		In situ planting	
FERTILIZER APPLICATION		BT SOWING	
FORCING			
HARDENING			
HILLING		DISBUDDING	E
HOEING		SN Removal of growing points	
HOTBED RAISING		to encourage development	
LEAF-TYING		in other parts of the	
LIMING		plant	
MULCHING		UF Pinching	
PLANTING		Stopping	
PROTECTED CULTIVATION		BT CULTIVATION	
PRUNING			
RIDGING			
ROW ORIENTATION		DISINFECTANTS	F
ROW WIDTH		BT AGRICULTURAL CHEMICALS	
SEEDBED PREPARATION			
SEEDLING CULTURE			
SHADING		DRAINAGE	E
SOIL REQUIREMENTS		BT SOIL MANAGEMENT	
SPACING		RT WATER MANAGEMENT	
THINNING			
TILLAGE			
TRELLISING		DRY FARMING	E
RT CULTIVATION EQUIPMENT		BT CROPPING SYSTEMS	
IRRIGATION			
PLANT PRODUCTION			
PLANT PROPAGATION		DRY SEASON	E
PLANT PROTECTION		BT SEASONS	
		RT DROUGHT	
CUTTING	E	EDIBLE FUNGI	DE
BT HARVESTING		UF Fungi (edible)	
		Mushrooms (edible)	
DEFOLIANTS	E	BT FUNGI	
BT AGRICULTURAL CHEMICALS		VEGETABLE CROPS	
		NT AGARICUS	
		VOLVARIELLA	
DESSICATORS	E		
BT AGRICULTURAL CHEMICALS		EGGPLANT	E
NT ANHYDROUS CALCIUM CHLORIDE		BT FRUIT VEGETABLES	
		RT SOLANUM MELONGENA	
DICALCIUM PHOSPHATE	BE		
BT PHOSPHATE FERTILIZERS		ELECTRICITY	CE
		BT ENERGY SOURCES	

ENERGY	E	EVALUATION	E
NT ENERGY SOURCES		NT FERTILIZER EVALUATION	
		FIELD TRIALS	
ENERGY SOURCES	CE	GERMPLASM EVALUATION	
BT ENERGY		PESTICIDE SCREENING	
NATURAL RESOURCES		PROGENY TESTING	
NT ANIMAL POWER		RESISTANCE SCREENING	
ELECTRICITY		SEED TESTING	
FUELS		SOIL TESTING	
WATER POWER		YIELD TRIALS	
WIND POWER			
RT ENERGY CONSERVATION		FABA BEANS	E
		UF Bean (broad)	
		Bean (faba or fava)	
ENVIRONMENT	E	Bean (tick)	
NT ENVIRONMENTAL CONDITIONS		Broad bean	
RT ALTITUDE		Fava bean	
ECOLOGY		Tick bean	
ENVIRONMENTAL EFFECTS		BT VEGETABLE LEGUMES	
		RT VICIA FABA	
ENVIRONMENTAL CONDITIONS	E		
BT ENVIRONMENT		FALLOW SYSTEMS	E
NT CLIMATE		UF Fallowing	
ENVIRONMENTAL TEMPERATURE		BT CROPPING SYSTEMS	
HUMIDITY			
RT ENVIRONMENTAL CONTROL		FARM SIZE	E
LIGHT		BT FARMS	
ENVIRONMENTAL CONTROL	E		
NT COOLING		FARMING SYSTEMS	E
HEATING		UF Farming	
LIGHTING		NT COLLECTIVE FARMING	
RT CLIMATIC REQUIREMENTS		CONTRACT FARMING	
CONTROL OF INJURIOUS		MIXED FARMING	
FACTORS		PART-TIME FARMING	
ENVIRONMENTAL CONDITIONS		SMALL SCALE FARMING	
PROTECTED CULTIVATION		SUBSISTENCE FARMING	
		TRADITIONAL FARMING	
ENVIRONMENTAL TEMPERATURE	E	RT CROPPING SYSTEMS	
BT ENVIRONMENTAL CONDITIONS		FARMS	
RT TEMPERATURE RESISTANCE			
ETHIOPIAN MUSTARD	E	FARMS	E
UF Abyssinian mustard		NT FARM SIZE	
Mustard (Abyssinian or		RT BUSINESS ORGANIZATIONS	
Ethiopian)		FARMING SYSTEMS	
BT GREEN VEGETABLES			
RT BRASSICA CARINATA			

FEED CROPS	E	FOOD CROPS	E
UF Fodder crops		BT CROPS	
BT CROPS		RT FOODS	
NT FEED CRUCIFERS			
FEED LEGUMES			
		FORCING	E
FEED CRUCIFERS	E	SN Causing plants to develop more rapidly than by normal growth	
BT FEED CROPS		BT CULTIVATION	
NT KALES		RT EARLY MATURATION	
RAPE			
WHITE MUSTARD			
		FRUIT VEGETABLES	E
FEED LEGUMES	E	BT VEGETABLE CROPS	
BT FEED CROPS		NT CUCURBIT VEGETABLES	
LEGUMES		EGGPLANT	
		OKRA	
FERTILIZER APPLICATION	E	TOMATOES	
UF Manuring			
BT CULTIVATION		FUELS	CE
NT PLACEMENT		BT ENERGY SOURCES	
RT APPLICATION METHODS		NT FUELWOOD	
CHEMICAL APPLICATION		METHANE	
FERTILIZERS			
		FUELWOOD	CE
FERTILIZER EVALUATION	E	BT FUELS	
BT EVALUATION			
		FUNGICIDES	E
FERTILIZERS	E	BT PESTICIDES	
BT AGRICULTURAL CHEMICALS			
NT LIQUID FERTILIZERS		FURROW IRRIGATION	E
MANURES		UF Flooded furrow system	
MICRONUTRIENT FERTILIZERS		BT IRRIGATION SYSTEMS	
NITROGEN FERTILIZERS			
PHOSPHATE FERTILIZERS		GARDEN PROGRAM	E
POTASH FERTILIZERS		SN AVRDC Garden Program	
RESIDUAL FERTILIZER		RT GARDENS	
SLOW-RELEASE FERTILIZERS			
RT FERTILIZER APPLICATION		GARDENS	E
SOIL AMENDMENTS		NT HOME GARDENS	
SOIL FERTILITY		MARKET GARDENS	
		SCHOOL GARDENS	
FIELD TRIALS	E	RT GARDEN PROGRAM	
BT EVALUATION		HORTICULTURE	
RT YIELD TRIALS			

GARLIC	E	GREEN VEGETABLES	E
BT BULBOUS VEGETABLES		UF Greens	
NT CHINESE GARLIC		Leaf vegetables	
RT ALLIUM		BT VEGETABLE CROPS	
		NT AMARANTH	
GERMPLASM EVALUATION	CE	BROCCOLI	
UF Germplasm screening		BRUSSELS SPROUTS	
BT EVALUATION		CABBAGES	
GERMPLASM CHARACTERIZATION		CELERY	
RT SEED TESTING		CHIVES	
		ETHIOPIAN MUSTARD	
GRAIN AMARANTHS	E	HAKURAN	
BT AMARANTH		KALES	
GRAIN CROPS		LEAF MUSTARD	
		LETTUCES	
GRAIN CROPS	E	RAPE GREENS	
BT CROPS		SPINACHES	
NT CEREALS		SWEET POTATO TIPS	
GRAIN AMARANTHS		WATER SPINACH	
GRAIN LEGUMES		WATERCRESS	
		WHITE MUSTARD	
GRAIN LEGUMES	E	GREENHOUSE CULTURE	E
BT GRAIN CROPS		UF Glasshouse culture	
LEGUMES		BT PROTECTED CULTIVATION	
NT ADZUKI BEANS			
CAJAN		GYPSUM	E
CHICKPEAS		UF Calcium sulphate	
COWPEAS		BT SOIL AMENDMENTS	
KIDNEY BEANS			
MUNGBEANS		HAKURAN	E
SOYBEANS		BT GREEN VEGETABLES	
URD		RT BRASSICA NAPUS	
WINGED BEANS			
YARD-LONG BEANS		HARDENING	E
GREEN MANURES	E	SN Of seedlings prior to	
BT CROPS		transplanting	
MANURES		BT CULTIVATION	
		HARROWING	E
		BT TILLAGE	
		RT HARROWS	
		HARVEST INDEX	E
		UF HI	
		BT HARVESTING	

HARVESTING	E	HOT SEASON	F
NT BALING		BT SEASONS	
CUTTING			
HARVEST INDEX			
PICKING		HOTBED RAISING	F
THRESHING		BT CULTIVATION	
RT HARVESTING EQUIPMENT		RT HEATING	
POSTHARVEST SYSTEMS		PROTECTED CULTIVATION	
HEADING CABBAGE	E	HUMAN NUTRITION	F
BT CABBAGE TYPES		BT NUTRITION	
		NT MALNUTRITION	
		RT NUTRITIVE VALUE	
HEATING	EF		
BT ENVIRONMENTAL CONTROL			
PROCESSING		HYDROPONICS	F
RT COOKING		BT CROPPING SYSTEMS	
HEATING EQUIPMENT			
HOTBED RAISING			
HERBICIDES	E	INDIAN LETTUCE	E
BT AGRICULTURAL CHEMICALS		UF Lettuce (Indian)	
RT CHEMICAL CONTROL		BT LETTUCES	
		RT LACTUCA INDICA	
HILLING	E	INSECTICIDES	E
BT CULTIVATION		BT PESTICIDES	
		NT BACTERIAL INSECTICIDES	
HOEING	E	INTERCROPPING	E
BT CULTIVATION		SN The growing of two or	
RT HOES		more crops simultaneously	
		in close proximity, as in	
		alternate rows in the	
		same field	
HOME GARDENS	E	UF Interplanting	
UF Domestic gardens		BT CROPPING SYSTEMS	
Kitchen gardens			
BT GARDENS			
HORMONE SPRAYS	E	IRRIGATED FARMING	E
BT AGRICULTURAL CHEMICALS		BT CROPPING SYSTEMS	
RT HORMONES		RT IRRIGATION	
PLANT GROWTH SUBSTANCES			
HORTICULTURE	E		
BT AGRICULTURE			
RT GARDENS			
PLANT PRODUCTION			

IRRIGATION	E	KOHLRABI	E
NT IRRIGATION SCHEDULING		UF Kai lan tau	
IRRIGATION SYSTEMS		BT STEM VEGETABLES	
WATERING		RT BRASSICA OLERACEA	
RT CULTIVATION		GONGYLODES	
IRRIGATED FARMING			
IRRIGATION EQUIPMENT		LEAF MUSTARD	E
WATER MANAGEMENT		UF Chinese mustard	
WATER SUPPLY		Indian mustard	
		Kai tsoi	
IRRIGATION SCHEDULING	E	Mustard (Chinese or	
BT IRRIGATION		Indian)	
		BT GREEN VEGETABLES	
		RT BRASSICA JUNCEA	
IRRIGATION SYSTEMS	E		
BT IRRIGATION			
NT AUTOMATIC IRRIGATION		LEAF-TYING	E
FURROW IRRIGATION		UF Binding	
SPRINKLER IRRIGATION		BT CULTIVATION	
TRICKLE IRRIGATION			
KALES	E	LEEEKS	E
BT FEED CRUCIFERS		BT BULBOUS VEGETABLES	
GREEN VEGETABLES		NT CHINESE LEEKS	
NT CHINESE KALE		RT ALLIUM	
RT BRASSICA OLERACEA ACEPHALA			
KIDNEY BEANS	E	LEGUMES	E
UF Bean (bush)		NT FEED LEGUMES	
Bean (field)		GRAIN LEGUMES	
Bean (french)		VEGETABLE LEGUMES	
Bean (green)		RT CROPS	
Bean (haricot)		LEGUME PRODUCTS	
Bean (navy)		PLANTS	
Bean (pole)			
Bean (snap or string)		LETTUCES	E
Bush bean		BT GREEN VEGETABLES	
Field bean		NT INDIAN LETTUCE	
French bean		RT LACTUCA SATIVA	
Green bean			
Haricot bean		LIGHTING	F
Navy bean		BT ENVIRONMENTAL CONTROL	
Pole bean		RT ARTIFICIAL LIGHT	
Snap bean			
String bean			
BT GRAIN LEGUMES		LIMING	E
VEGETABLE LEGUMES		BT CULTIVATION	
RT PHASEOLUS VULGARIS			
		LIQUID FERTILIZERS	E
		BT FERTILIZERS	

LITHOLOGICAL SOIL TYPES	E	MONOCULTURE	E
BT SOIL TYPES		SN Repeated growing of the	
NT ALLUVIAL SOILS		same crop on the same land	
CALCAREOUS SOILS		UF Monocropping	
CLAY SOILS		Sole cropping	
LOESS SOILS		BT CROPPING SYSTEMS	
SANDY SOILS			
VOLCANIC SOILS			
LOAM SOILS	E	MOUNTAIN CLIMATE	E
BT TEXTURAL SOIL TYPES		BT CLIMATE	
LOESS SOILS	E	MULCHES	F
BT LITHOLOGICAL SOIL TYPES		NT STRAW MULCHES	
		RT MULCHING	
MALNUTRITION	E	MULCHING	F
BT HUMAN NUTRITION		BT CULTIVATION	
		RT MULCHES	
MANURES	E	MULTIPLE CROPPING	E
BT FERTILIZERS		SN The growing of two or	
NT ANIMAL MANURES		more crops consecutively	
GREEN MANURES		on the same field in the	
NIGHT SOIL		same year	
		UF Multicropping	
MARKET GARDENS	E	BT CROPPING SYSTEMS	
BT GARDENS			
MICRONUTRIENT FERTILIZERS	E	MUNGBEANS	E
BT FERTILIZERS		UF Bean (mung)	
		Golden gram	
MINIMUM TILLAGE	E	Gram (golden or green)	
BT REDUCED TILLAGE		Green gram	
RT ZERO TILLAGE		BT GRAIN LEGUMES	
		VEGETABLE LEGUMES	
MIXED FARMING	E	RT VIGNA RADIATA	
BT FARMING SYSTEMS		MUTAGENS	E
		BT AGRICULTURAL CHEMICALS	
MOLLUSCICIDES	E	NT COLCHICINE	
BT PESTICIDES		RT MUTATION	
		NEMATICIDES	E
		BT PESTICIDES	
		NET ASSIMILATION RATE	BE
		BT ASSIMILATION	

NIGHT SOIL	E	NUTRITION PHYSIOLOGY	BE
BT MANURES		BT NUTRITION	
		PHYSIOLOGY	
NITROGEN FERTILIZERS	E	NT ASSIMILATION	
BT FERTILIZERS		NUTRIENT TRANSPORT	
NT UREA		NUTRIENT UPTAKE	
		RT BIOSYNTHESIS	
		METABOLISM	
		WATER UPTAKE	
NON-HEADING CABBAGE	E		
BT CABBAGE TYPES			
		OIL CROPS	E
NUT CROPS	E	BT CROPS	
BT CROPS		NT BLACK MUSTARD	
NT PEANUTS		RAPE	
		SOYBEANS	
		WHITE MUSTARD	
		RT OIL PRODUCTS	
NUTRIENT AVAILABILITY	E		
BT SOIL FERTILITY		OKRA	E
RT DEFICIENCY DISORDERS		UF Gumbo	
		Lady's fingers	
NUTRIENT REQUIREMENTS	E	BT FRUIT VEGETABLES	
BT PLANT NUTRITION		RT HIBISCUS ESCULENTUS	
NT WATER REQUIREMENTS			
RT DEFICIENCY DISORDERS			
		ONIONS	E
		BT BULBOUS VEGETABLES	
NUTRIENT TRANSPORT	BE	RT ALLIUM	
BT NUTRITION PHYSIOLOGY			
RT NUTRIENT UPTAKE			
OSMOSIS		ORGANIC SOILS	E
TRANSLOCATION		BT CHEMICAL SOIL TYPES	
NUTRIENT UPTAKE	BE	PADDY SOILS	E
BT NUTRITION PHYSIOLOGY		BT ANTHROPOGENIC SOIL TYPES	
RT ABSORPTION			
NUTRIENT TRANSPORT			
WATER UPTAKE		PART-TIME FARMING	E
		BT FARMING SYSTEMS	
NUTRITION	E	PEANUTS	E
NT HUMAN NUTRITION		UF Groundnuts	
NUTRITION PHYSIOLOGY		BT NUT CROPS	
PLANT NUTRITION		RT ARACHIS	
		PERENNIAL	E
		BT PERIODICITY	

PERIODICITY	E	PLANT NURSERIES	F
BT TIMING		BT PLANT PRODUCTION	
NT ANNUAL			
PERENNIAL		PLANT NUTRITION	E
SEASONS		BT NUTRITION	
		NT NUTRIENT REQUIREMENTS	
PESTICIDE PERSISTENCE	E		
UF Persistence (pesticide)		PLANT POPULATION DENSITY	E
RT PESTICIDE RESIDUES		RT SEEDING RATE	
PESTICIDE SCREENING		SPACING	
		THINNING	
PESTICIDE SCREENING	E		
BT EVALUATION		PLANT PRODUCTION	F
RT PESTICIDE PERSISTENCE		UF Crop production	
		BT PRODUCTION	
PESTICIDES	E	NT PLANT ESTABLISHMENT	
BT AGRICULTURAL CHEMICALS		PLANT NURSERIES	
NT ACARICIDES		SEED PRODUCTION	
FUNGICIDES		RT CULTIVATION	
INSECTICIDES		HORTICULTURE	
MOLLUSCICIDES		PLANT PROPAGATION	
NEMATICIDES			
RODENTICIDES		PLANTING	E
RT CHEMICAL CONTROL		BT CULTIVATION	
PESTICIDE RESIDUES		NT PHASED PLANTING	
		PLANTING DATE	
PHASED PLANTING	E	SOWING	
BT PLANTING		TRANSPLANTING	
		RT PLANTING EQUIPMENT	
		SPACING	
PHOSPHATE FERTILIZERS	BE		
BT FERTILIZERS		PLANTING DATE	E
PHOSPHATES		BT PLANTING	
NT DICALCIUM PHOSPHATE		TIMING	
SUPERPHOSPHATE			
PICKING	E	PLOUGHING	E
BT HARVESTING		UF Plowing	
		BT TILLAGE	
		RT PLOUGHS	
PLACEMENT	E		
BT FERTILIZER APPLICATION		POSTHARVEST SYSTEMS	E
NT BAND PLACEMENT		RT HARVESTING	
PLANT ESTABLISHMENT	E		
BT PLANT PRODUCTION		POTASH FERTILIZERS	F
		BT FERTILIZERS	

POTATOES	E	RAIN	E
UF European potato		UF Rainfall	
Irish potato		BT PRECIPITATION	
BT ROOT VEGETABLES			
RT SOLANUM TUBEROSUM			
		RAIN-FED FARMING	F
		BT CROPPING SYSTEMS	
PRECIPITATION	E		
NT RAIN			
RT CLIMATE		RAISED SEEDBEDS	E
WATER SUPPLY		UF Cambered seedbeds	
		BT SEEDBEDS	
PROCESSING TOMATOES	E		
BT TOMATOES		RAPE	E
		BT FEED CRUCIFERS	
		OIL CROPS	
PRODUCTION	E	NT RAPE GREENS	
NT ANIMAL PRODUCTION		RT BRASSICA NAPUS	
PLANT PRODUCTION			
RT INDUSTRY			
PROCESSING		RAPE GREENS	E
PRODUCTION STATISTICS		BT GREEN VEGETABLES	
PRODUCTS		RAPE	
PROGENY TESTING	CE	RECYCLING	E
BT EVALUATION		BT WASTE DISPOSAL	
PLANT BREEDING			
RT YIELD TRIALS			
		REDUCED TILLAGE	E
		BT TILLAGE	
PROTECTED CULTIVATION	E	NT MINIMUM TILLAGE	
BT CULTIVATION		ZERO TILLAGE	
NT GREENHOUSE CULTURE			
RT ENVIRONMENTAL CONTROL		RELAY CROPPING	E
HOTBED RAISING		UF Relay planting	
PLANT PROTECTION		BT CROPPING SYSTEMS	
PRUNING	E		
BT CULTIVATION		RESIDUAL FERTILIZER	F
		SN Fertilizer remaining in	
		the soil following	
PSOPHOCARPUS TETRAGONOLOBUS	E	harvest of a first crop	
BT PSOPHOCARPUS		BT FERTILIZERS	
RT WINGED BEANS			
RADISHES	E		
BT ROOT VEGETABLES			
NT CHINESE RADISH			
RT RAPHANUS SATIVUS			

RESISTANCE SCREENING	E	ROW ORIENTATION	E
SN Screening species, varieties or cultivars for resistance to injurious factors		BT CULTIVATION	
BT EVALUATION		ROW WIDTH	E
RT RESISTANCE		BT CULTIVATION	
RHIZOSPHERE	E	SALINE SOILS	E
SN Soil zone of enhanced microbiological activity in vicinity of roots		BT CHEMICAL SOIL TYPES	
RT EDAPHIC FACTORS		SANDY SOILS	E
ROOTS		BT LITHOLOGICAL SOIL TYPES	
SOIL FAUNA		TEXTURAL SOIL TYPES	
SOIL FLORA		SCARIFICATION	E
RICE-BASED CROPPING SYSTEMS	E	BT SEED TREATMENT	
BT CROPPING SYSTEMS		RT GERMINATION	
RIDGING	E	SCHOOL GARDENS	E
BT CULTIVATION		BT GARDENS	
RODENTICIDES	E	SEASONS	E
BT PESTICIDES		UF Agroclimatic seasons	
		BT PERIODICITY	
		NT AUTUMN	
ROOT VEGETABLES	E	COOL SEASON	
BT VEGETABLE CROPS		DRY SEASON	
NT CARROTS		HOT SEASON	
CASSAVA		SPRING	
POTATOES		SUMMER	
RADISHES		WET SEASON	
SWEET POTATOES		WINTER	
TURNIPS		SEED CROPS	E
WINGED BEANS		BT CROPS	
YAMS		RT SEED INDUSTRY	
ROTATIONAL CROPPING	E	SEED INOCULATION	DE
UF Crop rotation		BT INOCULATION	
BT CROPPING SYSTEMS		SEED TREATMENT	
ROTOTILLING	E	SEED PELLETTING	E
BT TILLAGE		BT SEED TREATMENT	
RT ROTARY HOES			

SEED PRODUCTION	EF	SHADING	F
BT PLANT PRODUCTION		BT CULTIVATION	
SEED INDUSTRY			
SEED TESTING	E	SHIFTING CULTIVATION	E
BT EVALUATION		BT CROPPING SYSTEMS	
RT GERMINABILITY			
GERMPLASM EVALUATION		SILTY SOILS	E
SEED CERTIFICATION		BT TEXTURAL SOIL TYPES	
SEED LONGEVITY			
SEED TREATMENT	E	SLOW-RELEASE FERTILIZERS	E
NT SCARIFICATION		BT FERTILIZERS	
SEED INOCULATION			
SEED PELLETING		SMALL SCALE FARMING	E
STRATIFICATION		BT FARMING SYSTEMS	
RT SEED			
SEEDBED PREPARATION	E	SOIL AMENDMENTS	E
UF Soil preparation		NT AGRICULTURAL LIME	
BT CULTIVATION		GYP SUM	
NT SEEDBEDS		SOIL CONDITIONERS	
RT SOIL MANAGEMENT		RT FERTILIZERS	
TILLAGE			
SEEDBEDS	E	SOIL COMPACTION	E
BT SEEDBED PREPARATION		BT SOIL DENSITY	
NT RAISED SEEDBEDS			
SUNKEN SEEDBEDS		SOIL CONDITIONERS	E
		BT SOIL AMENDMENTS	
SEEDING RATE	E	SOIL CONSERVATION	CF
BT SOWING		BT RESOURCE CONSERVATION	
RT PLANT POPULATION DENSITY		SOIL MANAGEMENT	
		RT EROSION	
SEEDLING CULTURE	E	SOIL DETERIORATION	
BT CULTIVATION			
RT SEEDLINGS		SOIL FERTILITY	E
		NT NUTRIENT AVAILABILITY	
SEMI-HEADING CABBAGE	E	RT FERTILIZERS	
BT CABBAGE TYPES		LEACHING	
		SOIL DETERIORATION	
		SOIL MANAGEMENT	
		SOIL ORGANIC MATTER	
SEQUENTIAL CROPPING	E	SOIL TESTING	
SN One crop follows another			
without fallowing			
BT CROPPING SYSTEMS			

SOIL FUMIGANTS	E	SOIL TYPES	F
BT AGRICULTURAL CHEMICALS		BT SOILS	
RT FUMIGATION		NT ANTHROPOGENIC SOIL TYPES	
		CHEMICAL SOIL TYPES	
		CLIMATIC SOIL TYPES	
		LITHOLOGICAL SOIL TYPES	
		TEXTURAL SOIL TYPES	
SOIL MANAGEMENT	E		
NT DRAINAGE			
SOIL CONSERVATION			
SOIL PASTEURIZATION			
SOIL STERILIZATION		SOILS	E
RT SEEDBED PREPARATION		NT SOIL TYPES	
SOIL DETERIORATION		RT SOIL REQUIREMENTS	
SOIL FERTILITY		SOIL SCIENCES	
SOIL SCIENCES			
SOIL TOXICITY			
TILLAGE			
		SOWING	E
		UF Planting (seed)	
		Seeding	
SOIL ORGANIC MATTER	E	BT PLANTING	
RT SOIL FERTILITY		NT DIRECT SOWING	
SOIL STRUCTURE		SEEDING RATE	
		SOWING DEPTH	
SOIL PASTEURIZATION	E	SOWING DEPTH	E
BT SOIL MANAGEMENT		BT SOWING	
RT SOIL STERILIZATION			
SOIL REQUIREMENTS	E	SOYBEANS	E
BT CULTIVATION		UF Grain soybean	
RT SOILS		BT GRAIN LEGUMES	
		OIL CROPS	
		NT VEGETABLE SOYBEAN	
		RT GLYCINE MAX	
SOIL SCIENCES	E		
UF Agrology			
Pedology			
RT AGRONOMY		SPACING	E
SOIL BIOLOGY		UF Row distance	
SOIL MANAGEMENT		BT CULTIVATION	
SOILS		RT PLANT POPULATION DENSITY	
		PLANTING	
SOIL STERILIZATION	E	SPINACHES	F
BT SOIL MANAGEMENT		BT GREEN VEGETABLES	
RT SOIL PASTEURIZATION		RT SPINACIA OLERACEA	
SOIL TESTING	E	SPRING	E
BT EVALUATION		BT SEASONS	
RT SOIL FERTILITY			

SPRINKLER IRRIGATION	E	TEMPERATE CLIMATE	E
UF Spray irrigation		BT CLIMATE	
BT IRRIGATION SYSTEMS			
STEM VEGETABLES	E	TERRACE CROPPING	E
BT VEGETABLE CROPS		UF Terracing	
NT ASPARAGUS		BT CROPPING SYSTEMS	
BAMBOO SHOOTS			
KOHLRABI		TEXTURAL SOIL TYPES	E
		BT SOIL TYPES	
		NT CLAY SOILS	
STONY SOILS	E	LOAM SOILS	
BT TEXTURAL SOIL TYPES		SANDY SOILS	
		SILTY SOILS	
		STONY SOILS	
STRATIFICATION	E	RT SOIL TEXTURE	
SN Seed stratification			
BT SEED TREATMENT		THINNING	E
		BT CULTIVATION	
STRAW MULCHES	E	RT PLANT POPULATION DENSITY	
BT MULCHES			
RT RICE STRAW		THRESHING	E
		BT HARVESTING	
SUBSISTENCE FARMING	E		
BT FARMING SYSTEMS		TILLAGE	F
		BT CULTIVATION	
SUMMER	E	NT HARROWING	
BT SEASONS		PLOUGHING	
		REDUCED TILLAGE	
		ROTOTILLING	
SUNKEN SEEDBEDS	E	RT SEEDBED PREPARATION	
BT SEEDBEDS		SOIL MANAGEMENT	
SUPERPHOSPHATE	BE	TIME	E
BT PHOSPHATE FERTILIZERS		NT TIMING	
SWEET POTATO TIPS	E	TIMING	E
SN Sweet potato greens, including leaves, stems and petioles		BT TIME	
BT GREEN VEGETABLES		NT BIOLOGICAL RHYTHMS	
SWEET POTATOES		PERIODICITY	
		PLANTING DATE	
SWEET POTATOES	E	TOMATOES	E
BT ROOT VEGETABLES		BT FRUIT VEGETABLES	
NT SWEET POTATO TIPS		NT PROCESSING TOMATOES	
RT IPOMOEA BATATAS		RT LYCOPERSICON	

TRADITIONAL FARMING	E	VEGETABLE CROPS	E
BT FARMING SYSTEMS		BT CROPS	
		NT BULBOUS VEGETABLES	
		CAULIFLOWERS	
TRANSPLANTING	E	EDIBLE FUNGI	
UF Replanting		FRUIT VEGETABLES	
BT PLANTING		GREEN VEGETABLES	
		ROOT VEGETABLES	
		STEM VEGETABLES	
TRELLISING	E	VEGETABLE LEGUMES	
BT CULTIVATION		RT VEGETABLE PRODUCTS	
		VEGETABLES	
TRICKLE IRRIGATION	E	VEGETABLE LEGUMES	E
UF Drip irrigation		BT LEGUMES	
BT IRRIGATION SYSTEMS		VEGETABLE CROPS	
		NT CHICKPEAS	
TROPICAL CLIMATE	E	COWPEAS	
BT CLIMATE		FABA BEANS	
		KIDNEY BEANS	
		MUNGBEANS	
TROPICAL SOILS	E	URD	
BT CLIMATIC SOIL TYPES		VEGETABLE SOYBEAN	
		WINGED BEANS	
TURNIPS	E	VEGETABLE SOYBEAN	E
BT ROOT VEGETABLES		BT SOYBEANS	
RT BRASSICA CAMPESTRIS RAPA		VEGETABLE LEGUMES	
UPLAND CROPPING	E	VOLCANIC SOILS	E
SN Crops grown on		BT LITHOLOGICAL SOIL TYPES	
unirrigated land without			
storage of water			
BT CROPPING SYSTEMS		VOLVARIELLA	DE
		BT EDIBLE FUNGI	
URD	E	WASTE DISPOSAL	E
UF Black gram		NT CONTROLLED BURNING	
Gram (black)		RECYCLING	
BT GRAIN LEGUMES			
VEGETABLE LEGUMES			
RT VIGNA MUNGO			
UREA	BE	WATER CONSERVATION	CE
BT NITROGEN FERTILIZERS		BT RESOURCE CONSERVATION	
ORGANIC COMPOUNDS		WATER MANAGEMENT	
		RT WATER SUPPLY	

WATER MANAGEMENT	E	WELLS	E
NT FLOOD CONTROL		BT WATER SUPPLY	
WATER CONSERVATION			
RT DRAINAGE		WET SEASON	E
IRRIGATION		BT SEASONS	
WATER REQUIREMENTS			
WATER SUPPLY			
		WHITE MUSTARD	F
WATER POWER	CE	UF Mustard (white)	
BT ENERGY SOURCES		BT FEED CRUCIFERS	
		GREEN VEGETABLES	
		OIL CROPS	
WATER REQUIREMENTS	E	RT SINAPIS ALBA	
BT NUTRIENT REQUIREMENTS			
RT WATER MANAGEMENT		WIND POWER	CE
WATER SUPPLY		BT ENERGY SOURCES	
WATER RESERVOIRS	E	WINDBREAKS	E
BT WATER STORAGE		BT PHYSICAL CONTROL	
		RT STORMS	
WATER SPINACH	E	WIND DAMAGE	
UF Kang kong			
Water convolvulus		WINGED BEANS	F
BT GREEN VEGETABLES		UF Asparagus pea	
RT IPOMOEA AQUATICA		Bean (four-angled)	
		Bean (Goa)	
WATER STORAGE	E	Bean (winged)	
BT WATER SUPPLY		Four-angled bean	
NT WATER RESERVOIRS		Goa bean	
RT STORAGE		Pea (asparagus)	
		BT GRAIN LEGUMES	
WATER SUPPLY	E	ROOT VEGETABLES	
NT WATER STORAGE		VEGETABLE LEGUMES	
WELLS		RT PSOPHOCARPUS	
RT IRRIGATION		TETRAGONOLOBUS	
PRECIPITATION			
WATER CONSERVATION		WINTER	E
WATER MANAGEMENT		BT SEASONS	
WATER REQUIREMENTS			
		YAMS	E
WATERCRESS	E	SN Restrict to species of	
BT GREEN VEGETABLES		Dioscorea	
RT RORIPPA		BT ROOT VEGETABLES	
		RT DIOSCOREA	
WATERING	E		
BT IRRIGATION			

YARD-LONG BEANS	E	BAKING	F
UF Asparagus bean		BT COOKING	
Bean (asparagus)			
Bean (snake)		BEVERAGES	F
Bean (yard-long)		BT FOODS	
Snake bean			
BT GRAIN LEGUMES			
RT VIGNA UNGUICULATA		BOILING	F
SESQUIPEDALIS		BT COOKING	
YIELD TRIALS	E		
BT EVALUATION		BOTTLED PRODUCTS	F
RT FIELD TRIALS		BT PRODUCT GROUPS	
PROGENY TESTING			
ZERO TILLAGE	E	BOTTLING	F
UF Nontillage		BT PACKAGING	
BT REDUCED TILLAGE			
RT MINIMUM TILLAGE		BYPRODUCTS	F
NO-TILL PLANTERS		BT PRODUCTS	
		NT CEREAL BYPRODUCTS	
ACIDIFICATION	F		
BT PROCESSING		CANALS	F
		BT INLAND WATERWAYS	
ADDITIVES	F		
NT FOOD ADDITIVES		CANNED PRODUCTS	F
RT COMPOSITION		BT PRODUCT GROUPS	
PROCESSING		RT CANNING	
AERATION	F	CANNING	F
BT PROCESSING		BT PACKAGING	
		RT CANNED PRODUCTS	
AIR TRANSPORT	F		
BT TRANSPORT		CEREAL BYPRODUCTS	F
		BT BYPRODUCTS	
		NT STRAW	
ANIMAL PRODUCTS	F		
BT PRODUCTS		CEREAL PRODUCTS	F
NT MEAT		BT VEGETABLE PRODUCTS	
ASH CONTENT	F		
BT COMPOSITION		CHEMICAL ANALYSIS	F
		RT CHEMISTRY	
		COMPOSITION	
BAKERY PRODUCTS	F		
BT PRODUCTS			

CLEANING	F	CRUSHING	F
BT PROCESSING		BT MILLING	
		RT HYDRAULIC PRESSES	
COATING	F	DENATURATION	F
BT PROCESSING		BT PROCESSING	
COMPOSITION	F	DEODORIZING	F
UF Chemical composition		BT PROCESSING	
Food composition			
NT ASH CONTENT		DIGESTIBILITY	F
CRUDE FIBRE		BT NUTRITIVE VALUE	
DRY MATTER		NT FLATULENCE	
NUTRIENT CONTENT			
NUTRITIVE VALUE		DISTILLING	F
RT ADDITIVES		BT PROCESSING	
CHEMICAL ANALYSIS			
CONTROLLED ATMOSPHERE STORAGE	F	DRIED PRODUCTS	F
UF CA storage		BT PRODUCT GROUPS	
BT STORAGE		PT DRYING	
COOKING	F	DRY MATTER	F
BT PROCESSING		BT COMPOSITION	
NT BAKING			
BOILING		DRY STORAGE	F
FRYING		BT STORAGE	
ROASTING			
RT HEATING		DRYING	F
HEATING EQUIPMENT		UF Grain drying	
		BT PROCESSING	
COOLING	EF	RT DRIED PRODUCTS	
UF Chilling		DRYING EQUIPMENT	
BT ENVIRONMENTAL CONTROL			
PROCESSING		EATING QUALITY	CF
RT COOLING EQUIPMENT		BT BREEDING AIMS	
		QUALITY	
COTTAGE INDUSTRY	F	RT PALATABILITY	
UF Home industry			
BT INDUSTRY		EDIBLE OILS	F
CRUDE FIBRE	F	BT OIL PRODUCTS	
UF Fibre (crude)		NT SALAD OILS	
BT COMPOSITION		RT VEGETABLE OILS	

EXTRACTION	F	FREEZING	F
UF Solvent extraction		BT PROCESSING	
BT PROCESSING		RT FROZEN PRODUCTS	
FATS	F	FRESH PRODUCTS	F
NT VEGETABLE FATS		BT PRODUCT GROUPS	
RT FATTY ACIDS			
LIPIDS			
NUTRIENT CONTENT		FROZEN PRODUCTS	F
		BT PRODUCT GROUPS	
		RT FREEZING	
FERMENTATION	F		
BT PROCESSING			
RT FERMENTED PRODUCTS		FRUITS	F
		BT FOODS	
FERMENTED PRODUCTS	F		
BT PRODUCT GROUPS		FRYING	F
NT HAMANATTO		BT COOKING	
KIMCHI			
MISO			
NATTO		GERMPLASM STORAGE	CF
SOY CHEESES		BT GERMPLASM CONSERVATION	
SUFU		STORAGE	
TEMPEH		NT POLLEN STORAGE	
RT FERMENTATION		SEED STORAGE	
FISH	F	GRADING	F
BT FOODS		BT PROCESSING	
		RT QUALITY	
FLATULENCE	F		
BT DIGESTIBILITY		HAMANATTO	F
		BT FERMENTED PRODUCTS	
		SOYBEAN PRODUCTS	
FOOD ADDITIVES	F		
BT ADDITIVES		HANDLING	F
		RT HANDLING LOSSES	
		TRANSPORT	
FOODS	F		
NT BEVERAGES		HEATING	EF
FISH		BT ENVIRONMENTAL CONTROL	
FRUITS		PROCESSING	
MEAT		RT COOKING	
MEAT SUBSTITUTES		HEATING EQUIPMENT	
VEGETABLES		HOTBED RAISING	
RT FOOD CROPS			
PRODUCTS			

HUSKING	F	MILLING	F
UF Hulling		BT PROCESSING	
Shelling		NT CRUSHING	
BT PROCESSING		RT MILLING EQUIPMENT	
INDUSTRIAL USES	F	MISO	F
BT USES		BT FERMENTED PRODUCTS	
		SOYBEAN PRODUCTS	
INDUSTRY	F	NATTO	F
NT COTTAGE INDUSTRY		BT FERMENTED PRODUCTS	
OILS INDUSTRY		SOYBEAN PRODUCTS	
PROCESSING INDUSTRY			
SEED INDUSTRY			
RT INDUSTRIAL DEVELOPMENT		NUTRIENT CONTENT	F
PRODUCTION		BT COMPOSITION	
		NT NUTRIENT IMPROVEMENT	
INLAND WATERWAYS	F	RT CARBOHYDRATES	
BT TRANSPORT		ELEMENTS	
NT CANALS		FATS	
RIVERS		LIPIDS	
		MINERALS	
		PROTEINS	
KIMCHI	F	NUTRIENT IMPROVEMENT	F
SN A Korean staple made from		BT NUTRIENT CONTENT	
fermented spiced Chinese			
cabbage			
BT FERMENTED PRODUCTS			
KINAKO	F	NUTRITIVE VALUE	F
BT SOYBEAN PRODUCTS		BT COMPOSITION	
		NT DIGESTIBILITY	
		RT HUMAN NUTRITION	
		QUALITY	
LEGUME PRODUCTS	F	OIL PRODUCTS	F
BT VEGETABLE PRODUCTS		BT PRODUCTS	
NT SOYBEAN PRODUCTS		NT EDIBLE OILS	
SPROUTS		RT OIL CROPS	
RT LEGUMES		OILS INDUSTRY	
MEAT	F	OILS INDUSTRY	F
BT ANIMAL PRODUCTS		BT INDUSTRY	
FOODS		RT OIL PRODUCTS	
		PROCESSING INDUSTRY	
MEAT SUBSTITUTES	F		
UF Meat analogues			
Meat extenders			
BT FOODS			
NT TEXTURED PROTEINS			

PACKAGING	F	PROCESSING	F
NT BOTTLING		NT ACIDIFICATION	
CANNING		AERATION	
VACUUM PACKING		CLEANING	
		COATING	
		COOKING	
PASTEURIZING	F	COOLING	
BT PROCESSING		DENATURATION	
		DEODORIZING	
		DISTILLING	
PESTICIDE RESIDUES	DF	DRYING	
BT RESIDUES		EXTRACTION	
TOXIC SUBSTANCES		FERMENTATION	
RT PESTICIDE PERSISTENCE		FREEZING	
PESTICIDES		GRADING	
		HEATING	
		HUSKING	
PICKLED PRODUCTS	F	MILLING	
BT PRODUCT GROUPS		PASTEURIZING	
		SMOKING	
		SOAKING	
PLANT RESIDUES	F	STEAMING	
UF Crop residues		STERILIZING	
BT RESIDUES		TEXTURIZING	
		RT ADDITIVES	
		PRESERVATION	
POLLEN STORAGE	CF	PROCESSING COSTS	
BT GERMPLASM STORAGE		PROCESSING EQUIPMENT	
		PROCESSING INDUSTRY	
		PRODUCTION	
PRESERVATION	F	PRODUCTS	
UF Conservation (food)			
RT PROCESSING		PROCESSING INDUSTRY	F
STORAGE		BT INDUSTRY	
		RT OILS INDUSTRY	
		PROCESSING	
		PRODUCT GROUPS	F
		NT BOTTLED PRODUCTS	
		CANNED PRODUCTS	
		DRIED PRODUCTS	
		FERMENTED PRODUCTS	
		FRESH PRODUCTS	
		FROZEN PRODUCTS	
		PICKLED PRODUCTS	
		SALTED PRODUCTS	
		RT PRODUCTS	

PRODUCTS	F	SEA TRANSPORT	F
UF Commodities		BT TRANSPORT	
Produce			
NT ANIMAL PRODUCTS		SEALED STORAGE	F
BAKERY PRODUCTS		UF Hermetic storage	
BYPRODUCTS		BT STORAGE	
OIL PRODUCTS		RT VACUUM PACKING	
VEGETABLE PRODUCTS			
RT CROPS			
FOODS			
PROCESSING		SEED CERTIFICATION	F
PRODUCT GROUPS		BT SEED INDUSTRY	
PRODUCTION		RT IMPURE SEED	
USES		SEED PURIFICATION	
		SEED TESTING	
QUALITY	F		
UF Food quality		SEED DEALERS	F
NT EATING QUALITY		BT SEED INDUSTRY	
RT GRADING			
NUTRITIVE VALUE			
		SEED INDUSTRY	F
		BT INDUSTRY	
RESIDUES	F	NI SEED CERTIFICATION	
NT PESTICIDE RESIDUES		SEED DEALERS	
PLANT RESIDUES		SEED PRODUCTION	
RT POLLUTANTS		SEED PURIFICATION	
		RT SEED CROPS	
RICE STRAW	F		
BT STRAW		SEED PRODUCTION	EF
RT STRAW MULCHES		BT PLANT PRODUCTION	
		SEED INDUSTRY	
RIVERS	F		
BT INLAND WATERWAYS		SEED PURIFICATION	F
		BT SEED INDUSTRY	
		RT IMPURE SEED	
ROAD TRANSPORT	F	ROGUING	
BT TRANSPORT		SEED CERTIFICATION	
ROASTING	F		
BT COOKING		SEED STORAGE	CF
		BT GERMPLASM STORAGE	
		RT SEED LONGEVITY	
SALAD OILS	F		
BT EDIBLE OILS		SMOKING	F
		BT PROCESSING	
SALTED PRODUCTS	F		
BT PRODUCT GROUPS		SOAKING	F
		BT PROCESSING	

SOY CHEESES	F	SPROUTS	F
UF Chou tofu		UF Bean sprouts	
Stinking tofu		BT LEGUME PRODUCTS	
BT FERMENTED PRODUCTS		RT SEEDLINGS	
SOYBEAN PRODUCTS			
RT TOFU			
		STARCH NOODLES	F
SOY FLOUR	F	BT STARCH PRODUCTS	
BT SOYBEAN PRODUCTS			
		STARCH PRODUCTS	F
SOY MILK	F	BT VEGETABLE PRODUCTS	
BT SOYBEAN PRODUCTS		NT STARCH NOODLES	
		RT STARCH	
SOY MILK POWDER	F	STEAMING	F
BT SOYBEAN PRODUCTS		BT PROCESSING	
SOY SAUCE	F	STERILIZING	F
UF Soja sauce		SN Rendering free from	
Soya sauce		microorganisms	
BT SOYBEAN PRODUCTS		BT PROCESSING	
SOYBEAN MEAL	F	STORAGE	F
BT SOYBEAN PRODUCTS		NT CONTROLLED ATMOSPHERE	
		STORAGE	
SOYBEAN OIL	F	DRY STORAGE	
BT SOYBEAN PRODUCTS		GERMPLASM STORAGE	
VEGETABLE OILS		SEALED STORAGE	
		STORAGE ENVIRONMENT	
		STORAGE LIFE	
		WET STORAGE	
SOYBEAN PRODUCTS	F	RT PRESERVATION	
BT LEGUME PRODUCTS		STORAGE EQUIPMENT	
NT HAMANATTO		STORAGE LOSSES	
KINAKO		WATER STORAGE	
MISO			
NATTO		STORAGE ENVIRONMENT	F
SOY CHEESES		BT STORAGE	
SOY FLOUR		RT STORAGE TRAITS	
SOY MILK			
SOY MILK POWDER			
SOY SAUCE		STORAGE LIFE	F
SOYBEAN MEAL		BT STORAGE	
SOYBEAN OIL			
SUFU			
TEMPEH		STRAW	F
TOFU		BT CEREAL BYPRODUCTS	
YUBA		NT RICE STRAW	

SUFU	F	VEGETABLE OILS	F
BT FERMENTED PRODUCTS		BT VEGETABLE PRODUCTS	
SOYBEAN PRODUCTS		NT SOYBEAN OIL	
		RT EDIBLE OILS	
TEMPEH	F	VEGETABLE PRODUCTS	F
BT FERMENTED PRODUCTS		UF Plant products	
SOYBEAN PRODUCTS		BT PRODUCTS	
		NT CEREAL PRODUCTS	
TEXTURED PROTEINS	F	LEGUME PRODUCTS	
BT MEAT SUBSTITUTES		STARCH PRODUCTS	
RT TEXTURIZING		VEGETABLE FATS	
		VEGETABLE JUICES	
TEXTURIZING	F	VEGETABLE OILS	
BT PROCESSING		RT VEGETABLE CROPS	
RT TEXTURED PROTEINS		VEGETABLES	
TOFU	F	VEGETABLES	F
UF Soymilk curd		BT FOODS	
BT SOYBEAN PRODUCTS		RT VEGETABLE CROPS	
RT SOY CHEESES		VEGETABLE PRODUCTS	
TRANSPORT	F	WET STORAGE	F
NT AIR TRANSPORT		BT STORAGE	
INLAND WATERWAYS			
ROAD TRANSPORT		YUBA	F
SEA TRANSPORT		BT SOYBEAN PRODUCTS	
RT DISTRIBUTION			
HANDLING		ADMINISTRATION	G
TRANSPORTATION EQUIPMENT		NT BUSINESS MANAGEMENT	
		PUBLIC ADMINISTRATION	
USES	F	RT PLANNING	
UF Utilization			
NT INDUSTRIAL USES		AGRICULTURAL CREDIT	G
RT PRODUCTS		BT AGRICULTURAL FINANCE	
		NT LOANS	
VACUUM PACKING	F		
BT PACKAGING		AGRICULTURAL DEVELOPMENT	G
RT SEALED STORAGE		BT DEVELOPMENT	
		NT MECHANIZATION	
VEGETABLE FATS	F	RT AGRICULTURAL POLICIES	
BT FATS			
VEGETABLE PRODUCTS		AGRICULTURAL FINANCE	G
		NT AGRICULTURAL CREDIT	
VEGETABLE JUICES	F	CAPITAL BUDGETING	
BT VEGETABLE PRODUCTS			

AGRICULTURAL POLICIES	G	BUSINESS MANAGEMENT	G
BT POLICIES		UF Business administration	
RT AGRICULTURAL DEVELOPMENT		BT ADMINISTRATION	
DEVELOPMENT POLICIES		NT FARM MANAGEMENT	
TRADE POLICIES		RT BUSINESS ORGANIZATIONS	
		PROFIT MAXIMIZATION	
AGRICULTURAL RESEARCH CENTRES	G	BUSINESS ORGANIZATIONS	G
UF IARC		UF Firms	
International		BT ORGANIZATIONS	
Agricultural Research		RT BUSINESS MANAGEMENT	
Center		FARMS	
BT ORGANIZATIONS		MARKETING BOARDS	
NT AVRDC			
FFTC		CAPITAL	G
IBPGR		BT PRODUCTION FACTORS	
ICARDA			
ICRISAT		CAPITAL BUDGETING	G
IITA		BT AGRICULTURAL FINANCE	
IRRI		RT INVESTMENT	
NVRS			
SEARCA			
RT CGIAR			
ASEAN	G	CENTRAL PLANNING	G
SN Association of Southeast		BT PLANNING	
Asian Countries			
BT ORGANIZATIONS		CGIAR	G
RT INDONESIA		SN Consultative Group on	
MALAYSIA		International	
PHILIPPINES		Agricultural Research	
SINGAPORE		BT ORGANIZATIONS	
THAILAND		RT AGRICULTURAL RESEARCH	
		CENTRES	
AVRDC	G	COMMON MARKETS	G
SN Asian Vegetable Research		BT MARKETS	
and Development Center			
BT AGRICULTURAL RESEARCH		CONDITIONS	G
CENTRES		NT FARM CONDITIONS	
		FIELD CONDITIONS	
BARTER	G	GREENHOUSE CONDITIONS	
BT TRADE		LABORATORY CONDITIONS	
		RURAL CONDITIONS	
BASIC NEEDS	G	VILLAGE CONDITIONS	
RT DEVELOPMENT		RT CONSTRAINTS	
		LIVING STANDARDS	
BREEDERS RIGHTS	G		
BT LEGAL ASPECTS			
RT PLANT BREEDING			

CONSTRAINTS	G	DEVELOPMENT	G
SN Factors limiting economic growth or profit maximization		UF Economic development	
RT CONDITIONS DEVELOPMENT		NT AGRICULTURAL DEVELOPMENT DEVELOPMENT AID INDUSTRIAL DEVELOPMENT RESOURCE DEVELOPMENT RURAL DEVELOPMENT	
		RT BASIC NEEDS CONSTRAINTS DEVELOPING COUNTRIES DEVELOPMENT COSTS DEVELOPMENT POLICIES LIVING STANDARDS TECHNOLOGY	
CONSUMPTION	G		
NT ON-FARM CONSUMPTION			
RT DEMAND MACROECONOMICS			
CONTROLLED PRICES	G		
BT PRICES		DEVELOPMENT AID	G
COOPERATIVE ACTIVITIES	G	UF Aid (development) Development assistance	
UF Cooperatives		BT DEVELOPMENT	
COST BENEFIT ANALYSIS	G	DEVELOPMENT COSTS	G
BT ECONOMICS		BT COSTS	
		RT DEVELOPMENT	
COSTS	G	DEVELOPMENT POLICIES	G
NT DEVELOPMENT COSTS MARKETING COSTS PROCESSING COSTS PRODUCTION COSTS TAXES		BT POLICIES	
RT PRICES		RT AGRICULTURAL POLICIES DEVELOPMENT TRADE POLICIES	
CROP INSURANCE	G	DIRECT MARKETING	G
RT CROP LOSSES YIELDS		BT MARKETING	
CROP LOSSES	G	DISTRIBUTION	G
BT LOSSES		UF Delivery (products or supplies)	
RT CROP INSURANCE INJURIOUS FACTORS		RT MARKETING TRANSPORT	
DEMAND	G	DOMESTIC TRADE	G
UF Demand functions		BT TRADE	
BT MARKETING		RT INTERNATIONAL TRADE	
RT CONSUMPTION MACROECONOMICS		ECONOMETRIC MODELS	G
		BT ECONOMETRICS	

ECONOMETRICS	G	FAO	G
BT ECONOMICS		SN Food and Agriculture	
NT ECONOMETRIC MODELS		Organization of the	
RT STATISTICS		United Nations	
		BT UNITED NATIONS	
ECONOMICS	G	FARM CONDITIONS	G
UF Economic analysis		BT CONDITIONS	
NT COST BENEFIT ANALYSIS			
ECONOMETRICS			
MACROECONOMICS		FARM INCOME	G
MICROECONOMICS		BT INCOME	
ECONOMIES OF SCALE	G	FARM MANAGEMENT	G
RT PRODUCTION COSTS		BT BUSINESS MANAGEMENT	
PRODUCTION ECONOMICS			
PRODUCTIVITY			
EDUCATION	G	FARMERS	G
NT TRAINING		BT OCCUPATIONS	
RT EXTENSION ACTIVITIES			
ELECTRIFICATION	G	FFTC	G
BT RURAL DEVELOPMENT		UF Food and Fertilizer	
		Technology Center	
		(Taiwan)	
		BT AGRICULTURAL RESEARCH	
		CENTRES	
EMPLOYMENT	G	FIELD CONDITIONS	G
UF Unemployment		BT CONDITIONS	
RT LABOUR			
MACROECONOMICS			
EXPORTS	G	FOOD INSPECTION	G
BT INTERNATIONAL TRADE		BT PUBLIC HEALTH	
RT TRADE BALANCE			
EXTENSION ACTIVITIES	G	FOOD TABOOS	G
NT OUTREACH PROGRAMMES		BT RELIGIOUS ASPECTS	
RT EDUCATION			
FALLOW LAND	G	FOREIGN INVESTMENT	G
UF Fallows		BT INVESTMENT	
BT LAND			
		FUTURES MARKETS	G
		BT MARKETS	

GOVERNMENTS	G	IITA	G
BT ORGANIZATIONS		SN International Institute	
RT MACROECONOMICS		of Tropical Agriculture	
POLICIES		BT AGRICULTURAL RESEARCH	
PUBLIC ADMINISTRATION		CENTRES	
GREENHOUSE CONDITIONS	G	ILLEGAL PRACTICES	G
BT CONDITIONS		UF Crop stealing	
		BT LEGAL ASPECTS	
HANDLING LOSSES	G	IMPORTS	G
BT POSTHARVEST LOSSES		BT INTERNATIONAL TRADE	
RT HANDLING		RT TRADE BALANCE	
HEALTH	G	INCOME	G
SN Restricted to human health		NT FARM INCOME	
NT PUBLIC HEALTH		NATIONAL INCOME	
RT SOCIAL ASPECTS			
HYGIENE	G	INDUSTRIAL DEVELOPMENT	G
UF Sanitation		BT DEVELOPMENT	
RT PUBLIC HEALTH		RT INDUSTRY	
IBPGR	G	INFLATION	G
SN International Board for		BT PRICES	
Plant Genetic Resources		RT MACROECONOMICS	
(Italy)			
BT AGRICULTURAL RESEARCH		INTEREST RATES	G
CENTRES		RT LOANS	
ICARDA	G	INTERNATIONAL TRADE	G
SN International Centre for		BT TRADE	
Agricultural Research in		NT EXPORTS	
Dry Areas (Syria)		IMPORTS	
BT AGRICULTURAL RESEARCH		TRADE BALANCE	
CENTRES		RT DOMESTIC TRADE	
ICRISAT	G	INVESTMENT	G
SN International Centre for		NT FOREIGN INVESTMENT	
Research in the Semi-Arid		PUBLIC INVESTMENT	
Tropics (Hyderabad)		RT CAPITAL BUDGETING	
BT AGRICULTURAL RESEARCH			
CENTRES			

IRRI	G	MACROECONOMICS	G
SN International Rice Research Institute		SN Economic analysis of the behaviour of the economy as a whole, usually at the national or international level	
BT AGRICULTURAL RESEARCH CENTRES		BT ECONOMICS	
LABORATORY CONDITIONS	G	RT CONSUMPTION DEMAND EMPLOYMENT GOVERNMENTS INFLATION MICROECONOMICS NATIONAL INCOME POLICIES PRICES SUPPLY TAXES TRADE	
BT CONDITIONS			
LABOUR	G		
UF Labor			
BT PRODUCTION FACTORS			
RT EMPLOYMENT			
LAND	G		
BT PRODUCTION FACTORS			
NT FALLOW LAND			
LEASING	G	MARKET DEVELOPMENT	G
BT TENURE		BI MARKETING	
LEGAL ASPECTS	G	MARKETING	G
NT BREEDERS RIGHTS ILLEGAL PRACTICES PHYTOSANITARY REGULATIONS		NT DEMAND DIRECT MARKETING MARKET DEVELOPMENT MARKETING BOARDS SUPPLY	
LIVING STANDARDS	G	RT DISTRIBUTION MARKETING COSTS MARKETS TRADE	
BT SOCIAL ASPECTS			
RT CONDITIONS DEVELOPMENT			
LOANS	G	MARKETING BOARDS	G
BT AGRICULTURAL CREDIT		BT MARKETING	
RT INTEREST RATES		RT BUSINESS ORGANIZATIONS SUPPLY MANAGEMENT	
LOSSES	G	MARKETING COSTS	G
BT PROFITABILITY		BT COSTS	
NT CROP LOSSES POSTHARVEST LOSSES		RT MARKETING	
RT PROFIT RISK AND UNCERTAINTY		MARKETS	G
		NT COMMON MARKETS FUTURES MARKETS	
		RT MARKETING	

MECHANIZATION	G	OUTREACH PROGRAMMES	G
BT AGRICULTURAL DEVELOPMENT		SN Of AVPDC	
RT TRACTORS		BT EXTENSION ACTIVITIES	
		RT TRAINING	
MICROECONOMICS	G	OWNERSHIP	G
SN Economic analysis of the behaviour of individuals, consumers and firms		BT TENURE	
BT ECONOMICS			
NT PRODUCTION ECONOMICS		PHYTOSANITARY REGULATIONS	G
RT MACROECONOMICS		BT LEGAL ASPECTS	
		RT GERMPLASM EXCHANGES	
NATIONAL INCOME	G	PLANNING	G
BT INCOME		NT CENTRAL PLANNING	
RT MACROECONOMICS		RT ADMINISTRATION	
NVRS	G	PLANT BREEDERS	G
SN National Vegetables Research Station (UK)		BT OCCUPATIONS	
BT AGRICULTURAL RESEARCH CENTRES			
OCCUPATIONAL HEALTH	G	POLICIES	G
UF Safety		NT AGRICULTURAL POLICIES	
BT PUBLIC HEALTH		DEVELOPMENT POLICIES	
		TRADE POLICIES	
		RT GOVERNMENTS	
		MACROECONOMICS	
OCCUPATIONS	G	POSTHARVEST LOSSES	G
NT FARMERS		BT LOSSES	
PLANT BREEDERS		NT HANDLING LOSSES	
		STORAGE LOSSES	
ON-FARM CONSUMPTION	G	PRICE FLUCTUATIONS	G
BT CONSUMPTION		BT PRICES	
		RT RISK AND UNCERTAINTY	
ORGANIZATIONS	G	PRICES	G
UF Associations		NT CONTROLLED PRICES	
Institutions		INFLATION	
NT AGRICULTURAL RESEARCH CENTRES		PRICE FLUCTUATIONS	
ASEAN		RT COSTS	
BUSINESS ORGANIZATIONS		MACROECONOMICS	
CGIAR			
GOVERNMENTS		PROCESSING COSTS	G
UNITED NATIONS		BT COSTS	
		RT PROCESSING	

PRODUCTION COSTS	G	PUBLIC ADMINISTRATION	G
BT COSTS		BT ADMINISTRATION	
RT ECONOMIES OF SCALE		RT GOVERNMENTS	
PRODUCTION ECONOMICS			
PRODUCTION ECONOMICS	G	PUBLIC HEALTH	G
BT MICROECONOMICS		BT HEALTH	
NT PRODUCTION FACTORS		NT FOOD INSPECTION	
PRODUCTION FUNCTIONS		OCCUPATIONAL HEALTH	
RT ECONOMIES OF SCALE		RT HYGIENE	
PRODUCTION COSTS			
PRODUCTIVITY		PUBLIC INVESTMENT	G
PROFIT MAXIMIZATION		BT INVESTMENT	
PRODUCTION FACTORS	G	QUOTAS	G
BT PRODUCTION ECONOMICS		BT TRADE BARRIERS	
NT CAPITAL			
LABOUR		RELIGIOUS ASPECTS	G
LAND		NT FOOD TABOOS	
PRODUCTION FUNCTIONS	G	SUPERSTITIONS	
UF Cobb-Douglas function		RT SOCIAL ASPECTS	
BT PRODUCTION ECONOMICS			
PRODUCTIVITY	G	RESOURCE DEVELOPMENT	G
RT ECONOMIES OF SCALE		BT DEVELOPMENT	
PRODUCTION ECONOMICS			
PROFITABILITY		RISK AND UNCERTAINTY	G
YIELDS		RT LOSSES	
		PRICE FLUCTUATIONS	
PROFIT	G	RURAL CONDITIONS	G
BT PROFITABILITY		BT CONDITIONS	
NT PROFIT MAXIMIZATION		RT RURAL DEVELOPMENT	
RT LOSSES		SOCIAL ASPECTS	
PROFIT MAXIMIZATION	G	RURAL DEVELOPMENT	G
BT PROFIT		BT DEVELOPMENT	
RT BUSINESS MANAGEMENT		NT ELECTRIFICATION	
PRODUCTION ECONOMICS		RT RURAL CONDITIONS	
		RURAL-URBAN MIGRATION	
PROFITABILITY	G	RURAL-URBAN MIGRATION	G
NT LOSSES		BT SOCIAL ASPECTS	
PROFIT		RT RURAL DEVELOPMENT	
RT PRODUCTIVITY			

SEARCA	G	TARIFFS	G
SN Southeast Asian Regional Center for Graduate Study and Research in Agriculture		BT TRADE BARRIERS	
BT AGRICULTURAL RESEARCH CENTRES		TAXES	G
		BT COSTS	
		RT MACROECONOMICS	
SHARE CROPPING	G	TENURE	G
UF Metayage		NT LEASING	
BT TENURE		OWNERSHIP	
		SHARE CROPPING	
SOCIAL ASPECTS	G	TRADE	G
UF Socioeconomic aspects		NT BARTER	
NT LIVING STANDARDS		DOMESTIC TRADE	
RURAL-URBAN MIGRATION		INTERNATIONAL TRADE	
SOCIAL CHANGE		TRADE BARRIERS	
RT HEALTH		RT MACROECONOMICS	
RELIGIOUS ASPECTS		MARKETING	
RURAL CONDITIONS			
VILLAGE CONDITIONS			
SOCIAL CHANGE	G	TRADE BALANCE	G
BT SOCIAL ASPECTS		UF Balance of trade	
		BT INTERNATIONAL TRADE	
		RT EXPORTS	
		IMPORTS	
STORAGE LOSSES	G	TRADE BARRIERS	G
BT POSTHARVEST LOSSES		BT TRADE	
RT STORAGE		NT QUOTAS	
		TARIFFS	
SUPERSTITIONS	G	RT TRADE POLICIES	
BT RELIGIOUS ASPECTS			
SUPPLY	G	TRADE POLICIES	G
BT MARKETING		BT POLICIES	
NT SUPPLY MANAGEMENT		RT AGRICULTURAL POLICIES	
SURPLUSES		DEVELOPMENT POLICIES	
RT MACROECONOMICS		TRADE BARRIERS	
SUPPLY MANAGEMENT	G	TRAINING	G
BT SUPPLY		BT EDUCATION	
RT MARKETING BOARDS		RT OUTREACH PROGRAMMES	
SURPLUSES	G	UNITED NATIONS	G
UF Excess supply		BT ORGANIZATIONS	
BT SUPPLY		NT FAO	

VILLAGE CONDITIONS	G	CONTAINERS	H
BT CONDITIONS		BT EQUIPMENT	
RT SOCIAL ASPECTS			
YIELDS	G	COOLERS	H
UF Crop yields		BT COOLING EQUIPMENT	
RT CROP INSURANCE		STORAGE EQUIPMENT	
HIGH-YIELDING VARIETIES			
PRODUCTIVITY		COOLING EQUIPMENT	H
AGRICULTURAL ENGINEERING	H	BT PROCESSING EQUIPMENT	
BT ENGINEERING		NT COOLERS	
		RT COOLING	
AGRIS	H	CULTIVATION EQUIPMENT	H
SN International Information		UF Tillage equipment	
System for the		BT PRODUCTION EQUIPMENT	
Agricultural Sciences and		NT HARROWS	
Technology		HOES	
BT INFORMATION SERVICES		PLANTING EQUIPMENT	
		PLOUGHS	
		RT CULTIVATION	
APPROPRIATE TECHNOLOGY	H	DATA COLLECTION	H
BT TECHNOLOGY		BT RESEARCH	
		NT SURVEYS	
BARNs	H	RT STATISTICS	
BT BUILDINGS			
BOATS	H	DOCUMENTATION	P
BT TRANSPORTATION EQUIPMENT		BT INFORMATION SCIENCE	
		NT GERMPLASM DOCUMENTATION	
BUILDINGS	H	DRAUGHT EQUIPMENT	H
UF Farm buildings		UF Draft equipment	
NT BARNs		BT PRODUCTION EQUIPMENT	
GREENHOUSES			
GROWTH CHAMBERS		DRILLS	H
ISOLATION TENTS		UF Grain drills	
PLASTIC TUNNELS		Seed drills	
STORAGE STRUCTURES		BT PLANTERS	
CARTS	H	DRYING EQUIPMENT	H
BT TRANSPORTATION EQUIPMENT		UF Driers	
		Dryers	
COMPARATIVE STUDIES	H	BT PROCESSING EQUIPMENT	
BT RESEARCH		RT DRYING	
NT VARIETAL COMPARISONS			

ENGINEERING	H	HOES	H
NT AGRICULTURAL ENGINEERING		BT CULTIVATION EQUIPMENT	
RT EQUIPMENT		NT ROTARY HOES	
TECHNOLOGY		RT HOEING	
EQUIPMENT	H	HYDRAULIC PASSES	H
UF Implements		BT MILLING EQUIPMENT	
NT CONTAINERS		RT CRUSHING	
HARVESTING EQUIPMENT			
MACHINERY		INFORMATION SCIENCE	H
PROCESSING EQUIPMENT		NT DOCUMENTATION	
PRODUCTION EQUIPMENT		RT INFORMATION SERVICES	
RESEARCH EQUIPMENT			
STORAGE EQUIPMENT			
TRANSPORTATION EQUIPMENT		INFORMATION SERVICES	H
RT ENGINEERING		NT AGRIS	
METHODS		TVIS	
TECHNOLOGY		RT INFORMATION SCIENCE	
GERMPLASM DOCUMENTATION	H	IRRIGATION EQUIPMENT	H
BT DOCUMENTATION		BT PRODUCTION EQUIPMENT	
RT GERMPLASM		NT PUMPS	
GERMPLASM COLLECTION		SPRAYERS	
		RT IRRIGATION	
GREENHOUSES	H	ISOLATION TENTS	H
UF Glasshouses		BT BUILDINGS	
BT BUILDINGS		RT ISOLATION TECHNIQUE	
GROWTH CHAMBERS	H	MACHINERY	H
BT BUILDINGS		BT EQUIPMENT	
HARROWS	H	NT TRACTORS	
BT CULTIVATION EQUIPMENT		RT MECHANICAL METHODS	
RT HARROWING		PROCESSING EQUIPMENT	
		PRODUCTION EQUIPMENT	
HARVESTING EQUIPMENT	H	MANUAL METHODS	H
UF Combine harvesters		BT METHODS	
Threshers		RT PHYSICAL CONTROL	
BT EQUIPMENT			
RT HARVESTING		MANUAL SEEDERS	H
PRODUCTION EQUIPMENT		BT PLANTERS	
HEATING EQUIPMENT	H		
BT PROCESSING EQUIPMENT			
RT COOKING			
HEATING			

MECHANICAL METHODS	H	PROCESSING EQUIPMENT	H
BT METHODS		BT EQUIPMENT	
RT MACHINERY		NT COOLING EQUIPMENT	
TECHNOLOGY		DRYING EQUIPMENT	
		HEATING EQUIPMENT	
		MILLING EQUIPMENT	
METHODS	H	RT MACHINERY	
UF Methodology		PROCESSING	
Techniques			
NT MANUAL METHODS		PRODUCTION EQUIPMENT	H
MECHANICAL METHODS		BT EQUIPMENT	
TRACER TECHNIQUES		NT CULTIVATION EQUIPMENT	
RT EQUIPMENT		DRAUGHT EQUIPMENT	
		IRRIGATION EQUIPMENT	
MILLING EQUIPMENT	H	RT HARVESTING EQUIPMENT	
BT PROCESSING EQUIPMENT		MACHINERY	
NT HYDRAULIC PRESSES			
RT MILLING			
		PRODUCTION STATISTICS	H
NO-TILL PLANTERS	H	BT STATISTICS	
BT PLANTERS		RT PRODUCTION	
RT ZERO TILLAGE			
		PUMPS	H
PLANTERS	H	BT IRRIGATION EQUIPMENT	
BT PLANTING EQUIPMENT			
NT DRILLS		RESEARCH	H
MANUAL SEEDERS		SN Use only for documents	
NO-TILL PLANTERS		about research in the	
		abstract, and not for the	
PLANTING EQUIPMENT	H	results of applied	
BT CULTIVATION EQUIPMENT		research	
NT PLANTERS		NT COMPARATIVE STUDIES	
RT PLANTING		DATA COLLECTION	
		RESEARCH NEEDS	
PLASTIC TUNNELS	H	RT RESEARCH EQUIPMENT	
BT BUILDINGS			
		RESEARCH EQUIPMENT	H
PLOUGHS	H	BT EQUIPMENT	
UF Plows		RT RESEARCH	
BT CULTIVATION EQUIPMENT			
RT PLOUGHING		RESEARCH NEEDS	H
		SN Topics requiring further	
		research	
		BT RESEARCH	

ROTARY HOES	H	TRANSPORTATION EQUIPMENT	H
UF Roto-tillers		BT EQUIPMENT	
BT HOES		NT BOATS	
RT ROTOTILLING		CARTS	
		TRUCKS	
		RT TRANSPORT	
SILOS	H		
BT STORAGE STRUCTURES		TRUCKS	H
		BT TRANSPORTATION EQUIPMENT	
SPRAYERS	H		
BT IRRIGATION EQUIPMENT			
RT SPRAYING		TVIS	H
		SN Tropical Vegetable	
		Information Service at	
STATISTICS	H	AVRDC covering, initially,	
NT PRODUCTION STATISTICS		Chinese cabbage,	
RT DATA COLLECTION		mungbeans and soybeans	
ECONOMETRICS		BT INFORMATION SERVICES	
STORAGE EQUIPMENT	H	VARIETAL COMPARISONS	H
BT EQUIPMENT		UF Comparisons (among	
NT COOLERS		cultivars or varieties)	
RT STORAGE		Differences (among	
		cultivars or varieties)	
		Varietal differences	
STORAGE STRUCTURES	H	BT COMPARATIVE STUDIES	
BT BUILDINGS			
NT SILOS			
SURVEYS	H		
BT DATA COLLECTION			
TECHNOLOGY	H		
NT APPROPRIATE TECHNOLOGY			
RT DEVELOPMENT			
ENGINEERING			
EQUIPMENT			
MECHANICAL METHODS			
TRACER TECHNIQUES	H		
BT METHODS			
TRACTORS	H		
BT MACHINERY			
RT MECHANIZATION			

AFRICA

I

NT ALGERIA
 ANGOLA
 BENIN
 BOTSWANA
 BOURKINA FASSO
 BURUNDI
 CAMEROON
 CENTRAL AFRICAN REPUBLIC
 CHAD
 CONGO
 DJIBOUTI
 EGYPT
 EQUATORIAL GUINEA
 ETHIOPIA
 GABON
 GAMBIA
 GHANA
 GUINEA
 IVORY COAST
 KENYA
 LESOTHO
 LIBERIA
 LIBYA
 MADAGASCAR
 MALI
 MAURITANIA
 MAURITIUS
 MOROCCO
 MOZAMBIQUE
 NAMIBIA
 NIGER
 NIGERIA
 RWANDA
 SENEGAL
 SEYCHELLES
 SIERRA LEONE
 SOMALIA
 SOUTH AFRICA
 SUDAN
 SWAZILAND
 TANZANIA
 TOGO
 TUNISIA
 UGANDA
 ZAIRE
 ZAMBIA
 ZIMBABWE

ALGERIA
 BT AFRICA

I

AMERICA

I

NT CARIBBEAN
 CENTRAL AMERICA
 NORTH AMERICA
 SOUTH AMERICA

ANGOLA
 BT AFRICA

I

ARGENTINA
 BT SOUTH AMERICA

I

ASIA

I

NT BANGLADESH
 BRUNEI
 BURMA
 CHINA
 HONG KONG
 INDIA
 INDONESIA
 IRAN
 IRAQ
 ISRAEL
 JAPAN
 JORDAN
 KAMPUCHEA
 KUWAIT
 LAO
 MALAYSIA
 MALDIVES
 NEPAL
 NORTH KOREA
 PAKISTAN
 PHILIPPINES
 SAUDI ARABIA
 SINGAPORE
 SOUTH KOREA
 SRI LANKA
 SYRIA
 TAIWAN
 THAILAND
 TURKEY
 USSR
 VIET NAM

AUSTRALIA
 BT OCEANIA

I

AUSTRIA	I	BRUNEI	I
BT EUROPE		BT ASIA	
BAHAMAS	I	BURMA	I
BT CARIBBEAN		BT ASIA	
BALI	I	BURUNDI	I
BT INDONESIA		BT AFRICA	
BANGLADESH	I	CAMEROON	I
BT ASIA		BT AFRICA	
BARBADOS	I	CANADA	I
BT CARIBBEAN		BT NORTH AMERICA	
BELGIUM	I	CARIBBEAN	I
BT EUROPE		BT AMERICA	
		NT BAHAMAS	
		BARBADOS	
BELIZE	I	CUBA	
BT CENTRAL AMERICA		DOMINICAN REPUBLIC	
		HAITI	
		JAMAICA	
BENIN	I	PUERTO RICO	
BT AFRICA		TRINIDAD AND TOBAGO	
		WEST INDIES ASSOCIATED STATES	
BOLIVIA	I		
BT SOUTH AMERICA		CENTRAL AFRICAN REPUBLIC	I
		BT AFRICA	
BORNEO	I		
BT INDONESIA		CENTRAL AMERICA	I
		BT AMERICA	
BOTSWANA	I	NT BELIZE	
BT AFRICA		COSTA RICA	
		EL SALVADOR	
		GUATEMALA	
BOURKINA FASSO	I	HONDURAS	
UF Upper Volta		NICARAGUA	
BT AFRICA		PANAMA	
BRAZIL	I	CHAD	I
BT SOUTH AMERICA		BT AFRICA	

CHILE	I	EQUATORIAL GUINEA	I
BT SOUTH AMERICA		BT AFRICA	
CHINA	I	ETHIOPIA	I
UF Mainland China		BT AFRICA	
People's Republic of China			
BT ASIA		EUROPE	I
COLOMBIA	I	NT AUSTRIA	
BT SOUTH AMERICA		BELGIUM	
CONGO	I	FRANCE	
UF People's Republic of the		GREECE	
Congo		ITALY	
BT AFRICA		NETHERLANDS	
COSTA RICA	I	SCANDINAVIA	
BT CENTRAL AMERICA		SPAIN	
CUBA	I	TURKEY	
BT CARIBBEAN		UNITED KINGDOM	
DEVELOPING COUNTRIES	I	USSR	
UF LDC's			
Less developed countries		FIJI	I
RT DEVELOPMENT		BT OCEANIA	
DJIBOUTI	I	FRANCE	I
BT AFRICA		BT EUROPE	
DOMINICAN REPUBLIC	I	FRENCH GUIANA	I
BT CARIBBEAN		BT SOUTH AMERICA	
ECUADOR	I	GABON	I
BT SOUTH AMERICA		BT AFRICA	
EGYPT	I	GAMBIA	I
BT AFRICA		BT AFRICA	
EL SALVADOR	I	GHANA	I
BT CENTRAL AMERICA		BT AFRICA	
		GREAT BRITAIN	I
		UF England	
		Scotland	
		Wales	
		BT UNITED KINGDOM	

GREECE BT EUROPE	I	ISRAEL BT ASIA	I
GUATEMALA BT CENTRAL AMERICA	I	ITALY BT EUROPE	I
GUINEA BT AFRICA	I	IVORY COAST BT AFRICA	I
GUYANA BT SOUTH AMERICA	I	JAMAICA BT CARIBBEAN	I
HAITI BT CARIBBEAN	I	JAPAN BT ASIA	I
HONDURAS BT CENTRAL AMERICA	I	JAVA BT INDONESIA	I
HONG KONG BT ASIA	I	JORDAN BT ASIA	I
INDIA BT ASIA	I	KAMPUCHEA UF Cambodia Khmer Republic BT ASIA	I
INDONESIA BT ASIA NT BALI BORNEO IRIAN JAYA JAVA SUMATRA TIMOR RT ASEAN	I	KENYA BT AFRICA	I
IRAN BT ASIA	I	KUWAIT BT ASIA	I
IRAQ BT ASIA	I	LAO UF Laos BT ASIA	I
IRIAN JAYA BT INDONESIA	I	LESOTHO BT AFRICA	I
		LIBERIA BT AFRICA	I

LIBYA	I	NEW ZEALAND	I
BT AFRICA		BT OCEANIA	
MADAGASCAR	I	NICARAGUA	I
UF Malagasy Republic		BT CENTRAL AMERICA	
BT AFRICA			
MALAYSIA	I	NIGER	I
BT ASIA		BT AFRICA	
RT ASEAN			
MALDIVES	I	NIGERIA	I
BT ASIA		BT AFRICA	
MALI	I	NORTH AMERICA	I
BT AFRICA		BT AMERICA	
		NT CANADA	
		MEXICO	
		USA	
MAURITANIA	I	NORTH KOREA	I
BT AFRICA		UF Korea (People's Republic)	
		BT ASIA	
MAURITIUS	I	OCEANIA	I
BT AFRICA		NT AUSTRALIA	
MEXICO	I	FIJI	
BT NORTH AMERICA		NEW ZEALAND	
		PAPUA NEW GUINEA	
		SAMOA	
MOROCCO	I	PAKISTAN	I
BT AFRICA		BT ASIA	
MOZAMBIQUE	I	PANAMA	I
BT AFRICA		BT CENTRAL AMERICA	
NAMIBIA	I	PAPUA NEW GUINEA	I
UF South West Africa		BT OCEANIA	
BT AFRICA			
NEPAL	I	PARAGUAY	I
BT ASIA		BT SOUTH AMERICA	
NETHERLANDS	I	PERU	I
UF Holland		BT SOUTH AMERICA	
BT EUROPE			

PHILIPPINES	I	SOUTH AMERICA	I
BT ASIA		BT AMERICA	
PT ASEAN		NT ARGENTINA	
		BOLIVIA	
		BRAZIL	
PUERTO RICO	I	CHILE	
BT CARIBBEAN		COLOMBIA	
		ECUADOR	
		FRENCH GUIANA	
RWANDA	I	GUYANA	
BT AFRICA		PARAGUAY	
		PERU	
		SURINAM	
SAMOA	I	URUGUAY	
BT OCEANIA		VENEZUELA	
SAUDI ARABIA	I	SOUTH KOREA	I
BT ASIA		UF Korea Republic	
		BT ASIA	
SCANDINAVIA	I	SPAIN	I
BT EUROPE		BT EUROPE	
SENEGAL	I	SRI LANKA	I
BT AFRICA		UF Ceylon	
		BT ASIA	
SEYCHELLES	I	SUDAN	I
BT AFRICA		BT AFRICA	
SIERRA LEONE	I	SUMATRA	I
BT AFRICA		BT INDONESIA	
SINGAPORE	I	SURINAM	I
BT ASIA		UF Dutch Guyana	
RT ASEAN		BT SOUTH AMERICA	
SOMALIA	I	SWAZILAND	I
BT AFRICA		BT AFRICA	
SOUTH AFRICA	I	SYRIA	I
BT AFRICA		BT ASIA	

TAIWAN	I	USSR	I
UF China (Taiwan)		UF Soviet Union	
BT ASIA		Union of Soviet Socialist Republics	
		BT ASIA	
TANZANIA	I	EUROPE	
BT AFRICA			
		VENEZUELA	I
THAILAND	I	BT SOUTH AMERICA	
BT ASIA			
RT ASEAN		VIET NAM	I
		UF Vietnam	
TIMOR	I	BT ASIA	
BT INDONESIA			
		WEST INDIES ASSOCIATED STATES	I
TOGO	I	BT CARIBBEAN	
BT AFRICA			
		ZAIRE	I
TRINIDAD AND TOBAGO	I	BT AFRICA	
UF Tobago			
BT CARIBBEAN		ZAMBIA	I
		BT AFRICA	
TUNISIA	I		
BT AFRICA		ZIMBABWE	I
		UF Rhodesia	
TURKEY	I	BT AFRICA	
BT ASIA			
EUROPE			
UGANDA	I		
BT AFRICA			
UNITED KINGDOM	I		
BT EUROPE			
NT GREAT BRITAIN			
URUGUAY	I		
BT SOUTH AMERICA			
USA	I		
UF United States of America			
BT NORTH AMERICA			

SECTION 2

ALPHABETICAL THESAURUS

- 2,4,5-T B
 UF Trichlorophenoxyacetic acid
 BT AUXINS
- 2,4-D B
 UF Dichlorophenoxyacetic acid
 BT AUXINS
- ABA B
 UF Absciscic acid
 BT GROWTH INHIBITORS
 RT ABSCISSION
- Abelmoschus esculentus
 USE HIBISCUS ESCULENTUS
- Abortion (flower or pod)
 USE ABSCISSION
- Absciscic acid
 USE ABA
- ABSCISSION B
 UF Abortion (flower or pod)
 Flower abortion
 Leaf fall
 Pod abortion
 BT PLANT DEVELOPMENTAL STAGES
 RT ABA
- ABSIDIA D
 BT FUNGI
- ABSORPTION B
 BT CHEMICOPHYSICAL PROPERTIES
 RT NUTRIENT UPTAKE
 WATER UPTAKE
- ABUTILON A
 BT MALVACEAE
- ABUTILON MOSAIC VIRUS D
 BT VIRUSES
- Abyssinian mustard
 USE ETHIOPIAN MUSTARD
- ACALYMA
 BT COLEOPTERA
- ACANTHOMIA
 BT HETEROPTERA
- ACARICIDES
 BT PESTICIDES
- ACARINA
 UF Mites
 Ticks
 BT ARACHNIDA
 NT ACERIA
 BREVIPALPUS
 EUPYOPHYES
- ACAULOSPOPA
 BT FUNGI
- Acclimatization
 USE ADAPTIATION
- ACERIA
 BT ACARINA
- ACETYLENE REDUCTION
 BT REDUCTION
- ACHAEA
 BT LEPIDOPTERA
- ACHERONTIA
 BT LEPIDOPTERA
- ACHETA
 BT ORTHOPTERA
- Acid (inorganic)
 USE INORGANIC ACIDS
- Acid (organic)
 USE ORGANIC ACIDS

ACID BASE EQUILIBRIUM
BT PH

ACID PHOSPHATASE
BT HYDROLASES

ACID SOILS
BT CHEMICAL SOIL TYPES

ACIDIFICATION
BT PROCESSING

Acidity
USE PH

ACQUIRED CHARACTERS
UF Characters (acquired)
BT INHERITANCE
RT CHARACTERS

ACREMONIUM
UF Gliomastix
BT FUNGI

ACROMYRMEX
BT HYMENOPTERA

ACROSTERNUM
BT HETEROPTERA

ACTINOBACILLUS
BT BACTERIA

ACTINOMYCETALES
BT BACTERIA
NT STREPTOMYCES

ACUARIA
BT NEMATODES

B ADAPTATION
SN Physiological adaptation
UF Acclimatization
BT PHYSIOLOGY

B

ADDITIVES
NT FOOD ADDITIVES
RT COMPOSITION
PROCESSING

E

F ADENINE
BT CYTOKININS
PURINE BASES
RT BA

ADENOSINE
BT NUCLEOSIDES

C

ADMINISTRATION
NT BUSINESS MANAGEMENT
PUBLIC ADMINISTRATION
RT PLANNING

D

ADZUKI BEANS
UF Azuki bean
Bean (adzuki)
Bean (azuki)
Bean (red)
Red beans
BT GRAIN LEGUMES
RT VIGNA ANGULARIS

D

D

D

ADZUKIBEAN MOSAIC VIRUS
UF AZMV
BT VIRUSES

D

AERATION
BT PROCESSING

D

AERIAL APPLICATION
BT APPLICATION METHODS

AEROBIC BACTERIA
BT BACTERIA

Aetiology
USE ETIOLOGY

AFRICA

NT ALGERIA
ANGOLA
BENIN
BOTSWANA
BOURKINA FASSO
BURUNDI
CAMEROON
CENTRAL AFRICAN REPUBLIC
CHAD
CONGO
DJIBOUTI
EGYPT
EQUATORIAL GUINEA
ETHIOPIA
GABON
GAMBIA
GHANA
GUINEA
IVORY COAST
KENYA
LESOTHO
LIBERIA
LIBYA
MADAGASCAR
MALI
MAURITANIA
MAURITIUS
MOROCCO
MOZAMBIQUE
NAMIBIA
NIGER
NIGERIA
RWANDA
SENEGAL
SEYCHELLES
SIERRA LEONE
SOMALIA
SOUTH AFRICA
SUDAN
SWAZILAND
TANZANIA
TOGO
TUNISIA
UGANDA
ZAIRE
ZAMBIA
ZIMBABWE

I

AGALLIA
BT HOMOPTERA

AGARICUS
BT EDIBLE FUNGI

AGAVACEAE
BT PLANTS
NT AGAVE

AGAVE
BT AGAVACEAE

AGE
BT AGING
BT LONGEVITY

AGING
UF Senescence
BT PHYSIOLOGY
NT AGE
LONGEVITY

AGRICULTURAL CHEMICALS
NT ANTITRANSPIRANTS
CHEMOSTERILANTS
DEFOLIANTS
DESSICATORS
DISINFECTANTS
FERTILIZERS
HERBICIDES
HORMONE SPRAYS
MUTAGENS
PESTICIDES
SOIL FUMIGANTS
RT CHEMICAL APPLICATION
DRUGS
INORGANIC COMPOUNDS
ORGANIC COMPOUNDS
PLANT GROWTH SUBSTANCES

AGRICULTURAL CREDIT
BT AGRICULTURAL FINANCE
NT LOANS

AGRICULTURAL DEVELOPMENT	G	AGRIS
BT DEVELOPMENT		SR International Information
NT MECHANIZATION		System for the
RT AGRICULTURAL POLICIES		Agricultural Sciences and
		Technology
		BT INFORMATION SERVICES
AGRICULTURAL ENGINEERING	H	
BT ENGINEERING		
AGRICULTURAL FINANCE	G	AGRIUS
NT AGRICULTURAL CREDIT		BT LEPIDOPTERA
CAPITAL BUDGETING		
AGRICULTURAL LIME	E	AGROBACTERIUM
BT SOIL AMENDMENTS		BT RHIZOBIACEAE
AGRICULTURAL POLICIES	G	Agroclimatic seasons
BT POLICIES		USE SEASONS
RT AGRICULTURAL DEVELOPMENT		Agrology
DEVELOPMENT POLICIES		USE SOIL SCIENCES
TRADE POLICIES		
AGRICULTURAL RESEARCH CENTRES	G	AGROMYZA
UF IARC		BT AGROMYZIDAE
International		
Agricultural Research		Agromyzid flies
Center		USE AGROMYZIDAE
BT ORGANIZATIONS		AGROMYZIDAE
NT AVRDC		UF Agromyzid flies
FFTC		Beanflies
IBPGR		Flies (Agromyzid)
ICARDA		BT DIPTERA
ICRISAT		NT AGROMYZA
IITA		LIRIOMYZA
IRRI		MELANOGRONYZA
NVRS		OPHIOMYIA
SEARCA		PHYTOMYZA
RT CGIAR		
AGRICULTURE	E	AGRONOMIC CHARACTERS
NT AGRONOMY		UF Characters (agronomic)
ANIMAL PRODUCTION		Characters (horticultural)
HORTICULTURE		Horticultural characters
		BT CHARACTERS
		NT HARD SEEDEDNESS
		MORPHOLOGICAL CHARACTERS
		PLANT WEATHERING
		RT PLANT TYPES
AGRIOTES	D	
BT COLEOPTERA		

AGRONOMY	E	ALCOHOLS
SN Study of applied phases of crop production and soil management		BT HYDROXY COMPOUNDS
BT AGRICULTURE		ALDEHYDES
RT SOIL SCIENCES		BT ORGANIC COMPOUNDS
AGROPYRON	A	ALFALFA MOSAIC VIRUS
BT GRAMINEAE		UF AMV
		BT VIRUSES
AGROSTIS	A	ALGAE
BT GRAMINEAE		UF Chlorophyceae
		Phaeophyceae
AGROTIS	D	Rhodophyceae
BT LEPIDOPTERA		Seaweeds
NT AGROTIS IPSILON		BT PLANTS
		RT SOIL FLORA
AGROTIS IPSILON	D	ALGERIA
UF Black cutworm		BT AFRICA
BT AGROTIS		
Aid (development)		ALKALINE SOILS
USE DEVELOPMENT AID		BT CHEMICAL SOIL TYPES
AIR	B	Alkalinity
BT GASES		USE Ph
AIR TRANSPORT	F	ALKALOIDS
BT TRANSPORT		BT ORGANIC COMPOUNDS
		NT COLCHICINE
ALANINE	B	NICOTINE
BT AMINO ACIDS		
ALBUGO	D	ALLELES
UF Rust (white)		BT GENES
White blister		
White rust		ALLELOPATHY
BT FUNGI		SN Harmful effects of one plant upon another
		BT BIOLOGICAL COMPETITION
ALCIDODES	D	RT ANTAGONISM
UF Striped sweet potato weevil		PLANT SECRETIONS
BT COLEOPTERA		
		ALLIACEAE
		BT PLANTS
		NT ALLIUM

ALLIUM	A	AMERICA
BT ALLIACEAE		NT CARIBBEAN
RT CHIVES		CENTRAL AMERICA
GARLIC		NORTH AMERICA
LEeks		SOUTH AMERICA
ONIONS		
ALLUVIAL SOILS	E	AMIDOSTOMUM
BT LITHOLOGICAL SOIL TYPES		BT NEMATODES
ALTERNARIA	D	AMINO ACIDS
BT FUNGI		BT ORGANIC ACIDS
RT BLIGHTS		NT ALANINE
LEAF SPOTS		ARGININE
Alternaria leaf spot		ASPARAGINE
USE ALTERNARIA + LEAF SPOTS		ASPARTIC ACID
		CARNITINE
		CITRULLINE
		CREATINE
		CREATININE
ALTERNATE HOSTS	D	CYSTEINE
BT HOSTS		CYSTINE
		GLUTAMIC ACID
		GLUTAMINE
ALTITUDE	E	GLYCINE
RT ENVIRONMENT		HISTIDINE
		HYDROXYPROLINE
		LYSINE
ALUMINIUM	B	METHIONINE
BT ELEMENTS		ORNITHINE
		PHENYLALANINE
		PROLINE
AMARANTH	E	SARCOSINE
UF Chinese spinach		SERINE
Spinach (Chinese)		THREONINE
BT GREEN VEGETABLES		TRYPTOPHAN
NT GRAIN AMARANTHS		TYROSINE
RT AMARANTHUS		VALINE
AMARANTHACEAE	A	AMMONIA
BT PLANTS		BT INORGANIC COMPOUNDS
NT AMARANTHUS		
CELOSIA		
AMARANTHUS	A	AMMONIUM COMPOUNDS
BT AMARANTHACEAE		BT ORGANIC COMPOUNDS
RT AMARANTH		
AMBROSIA	A	AMV
BT COMPOSITAE		USE ALFALFA MOSAIC VIRUS

ANABOLISM	B	ANIMAL ECOLOGY
BT METABOLISM		BT ECOLOGY
RT BIOSYNTHESIS		
ANAEROBIC BACTERIA	D	ANIMAL MANURES
BT BACTERIA		UF Dung
		Farmyard manure
		BT MANURES
ANANAS	A	ANIMAL POWER
UF Pineapple		BT ENERGY SOURCES
BT BROMELIACEAE		
Anatomy (plant)		ANIMAL PRODUCTION
USE PLANT ANATOMY		BT AGRICULTURE
		PRODUCTION
ANCESTOR SPECIES	A	RT DOMESTIC ANIMALS
UF Progenitor species		
Wild ancestors		ANIMAL PRODUCTS
BT SPECIES		BT PRODUCTS
RT WILD SPECIES		NT MEAT
ANCESTRY	C	ANIMALS
BT INHERITANCE		NT AQUATIC ANIMALS
		BIRDS
ANDROECIUM	B	DOMESTIC ANIMALS
BT FLOWERS		LABORATORY ANIMALS
NT STAMENS		POLLINATORS
		RT INVERTEBRATES
		NOXIOUS ANIMALS
ANEUPLOIDY	B	ANNELIDA
BT CHROMOSOME NUMBER		BT INVERTEBRATES
NT MONOSOMICS		NT EARTHWORMS
NULLISOMICS		LEECHES
TRISOMICS		
ANGOLA	I	ANNUAL
BT AFRICA		BT PERIODICITY
ANHYDROUS CALCIUM CHLORIDE	E	ANNUAL WEEDS
BT DESSICATORS		BT WEEDS
ANIMAL DEVELOPMENTAL STAGES	B	ANOMALA
BT DEVELOPMENTAL STAGES		BT COLEOPTERA
NT LARVAE		

ANTAGONISM	D	ANTITRANSPIRANTS
BT BIOLOGICAL COMPETITION		BT AGRICULTURAL CHEMICALS
RT ALLELOPATHY		
ANTHERS	B	ANTIVIPAL AGENTS
BT STAMENS		BT ANTIMICROBIALS
NT POLLEN		RT VIRUSES
Anthesis		Ants
USE FLOWERING		USE HYMENOPTERA
ANTHOMYIIDAE	D	APHANOMYCES
BT DIPTERA		BT FUNGI
NT DELIA		
HYLEMYA		
ANTHRACNOSES	D	APHELENCHOIDES
BT FUNGAL DISEASES		BT NEMATODES
RT COLLETOTRICHUM		
GLOMERELLA		
ANTHROPOGENIC SOIL TYPES	E	APHELENCHUS
UF Manmade soils		BT NEMATODES
BT SOIL TYPES		
NT PADDY SOILS		Aphididae
		USE APHIDS
ANTICARSIA	D	APHIDS
BT LEPIDOPTERA		UF Aphididae
		BT HOMOPTERA
		NT APHIS
ANTIGENS	D	BREVICORYNE
BT IMMUNITY		DACTYNOTUS
		LIPAPHIS
ANTIMETABOLITES	B	MACROSIPHONIELLA
UF Metabolic inhibitors		MACROSIPHUM
BT PLANT GROWTH SUBSTANCES		MYZUS
NT BROMACIL		NEOTOXOPTERA
DNOC		PENTALONIA
RT CYTOKININS		RHOPALOSIPHUM
METABOLISM		
ANTIMICROBIALS	D	APHIS
BT DRUGS		BT APHIDS
NT ANTIVIRAL AGENTS		NT APHIS CRACCIVORA
RT MICROORGANISMS		
		APHIS CRACCIVORA
		BT APHIS

APICAL DOMINANCE	B	APACEAE
SN The inhibition of lateral buds or meristems by the apical meristem		BT PLANTS
RT APICAL MERISTEMS		NT COLOCASIA
BRANCHING		
GROWTH INHIBITORS		APACHIS
		RT LEGUMINOSAE
		RT PEANUTS
APICAL MERISTEMS	B	ARACHNIDA
BT MERISTEMS		BT ARTHROPODS
RT APICAL DOMINANCE		NT ACAPINA
APIUM	E	Architecture (plant)
BT UMBELLIFERAE		USE PLANT MORPHOLOGY
RT CELERY		
		Architecture (plant)
		USE PLANT MORPHOLOGY
APOMIXIS	B	ARGENTINA
BT ASEXUAL REPRODUCTION		BT SOUTH AMERICA
RT PARTHENOGENESIS		
POLYEMBRYONY		
APPLICATION METHODS	E	ARGININE
NT AERIAL APPLICATION		BT AMINO ACIDS
BROADCASTING		
DRENCHING		Arhar
DUSTING		USE CAJAN
FUMIGATION		
SPRAYING		Armyworms
RT CHEMICAL APPLICATION		USE LEPIDOPTERA
FERTILIZER APPLICATION		
APPLIED PRESSURE	B	AROMATICS
BT PRESSURE		BT ORGANIC COMPOUNDS
		NT COUMARINS
		DNOC
APPROPRIATE TECHNOLOGY	H	ARTHROPODS
BT TECHNOLOGY		BT INVERTEBRATES
		NT ARACHNIDA
AQUATIC ANIMALS	D	CRUSTACEA
BT ANIMALS		INSECTS
ARABINOSE	B	ARTIFICIAL LIGHT
BT SUGARS		BT LIGHT
		RT LIGHTING

ASCOCHYTA
BT FUNGI

D

Ascorbic acid
USE VITAMIN C

ASEAN

G

SN Association of Southeast
Asian Countries
BT ORGANIZATIONS
RT INDONESIA
MALAYSIA
PHILIPPINES
SINGAPORE
THAILAND

ASEXUAL REPRODUCTION

B

BT REPRODUCTION
NT APOMIXIS
CLONING
PARTHENO CARPY
PARTHENOGENESIS
RT VEGETATIVE PROPAGATION

ASH CONTENT

F

BT COMPOSITION

ASIA

NT

BANGLADESH
BRUNEI
BURMA
CHINA
HONG KONG
INDIA
INDONESIA
IRAN
IRAQ
ISRAEL
JAPAN
JORDAN
KAMPUCHEA
KUWAIT
LAO
MALAYSIA
MALDIVES
NEPAL
NORTH KOREA
PAKISTAN
PHILIPPINES
SAUDI ARABIA
SINGAPORE
SOUTH KOREA
SRI LANKA
SYRIA
TAIWAN
THAILAND
TURKEY
USSR
VIET NAM

ASPARAGINE

BT AMINO ACIDS

ASPARAGUS

UF Lo sun
BT LILIACEAE
STEM VEGETABLES

Asparagus bean

USE YARD-LONG BEANS

Asparagus pea

USE WINGED BEANS

ASPARTIC ACID

BT AMINO ACIDS

ASPERGILLUS BT FUNGI	D	AUXINS BT PLANT GROWTH SUBSTANCES NT 2,4,5-T 2,4-D IAA IBA MCPA NAA NAPHTHALENE ACETAMIDE NAPHTHENIC ACID NAPHTHOXYACETIC ACID ORTHONIL	P
ASPHONDYLIA BT CECIDOMYIIDAE	D		
ASPIDOMORPHA BT COLEOPTERA	D		
ASSIMILATION BT NUTRITION PHYSIOLOGY NT NET ASSIMILATION RATE RT METABOLISM	BE	AVRDC SN Asian Vegetable Research and Development Center BT AGRICULTURAL RESEARCH CENTRES	G
ATHALIA UF Cabbage sawfly BT HYMENOPTERA	D	AVRDC CULTIVARS BT CULTIVARS	A
ATTA BT HYMENOPTERA	D	AXILLARY BUD CULTURE BT TISSUE CULTURE RT BUDS	C
ATTRACTANTS UF Baits NT SEX ATTRACTANTS RT INSECT CONTROL	D	AZMV USE ADZUKIBEAN MOSAIC VIRUS	
AUSTRALIA BT OCEANIA	I	AZOTOBACTER BT AZOTOBACTERIACEAE	D
AUSTRIA BT EUROPE	I	AZOTOBACTERIACEAE BT BACTERIA NT AZOTOBACTER	P
AUSTROAGALLIA BT HOMOPTERA	D	Azuki bean USE ADZUKI BEANS	
AUTOMATIC IRRIGATION BT IRRIGATION SYSTEMS	E	Azuki angularis USE VIGNA ANGULARIS	
AUTUMN BT SEASONS	E		

B VITAMINS

UF B-complex
Vitamin B
BT VITAMINS
NT FOLIC ACID
NICOTINAMIDE
PANTOTHENIC ACID
PYRIDOXINE
RIBOFLAVIN
THIAMIN
VITAMIN B12

B-complex

USE B VITAMINS

BA

UF Benzyladenine
BT CYTOKININS
RT ADENINE

BACILLACEAE

BT BACTERIA
NT BACILLUS

BACILLUS

BT BACILLACEAE
NT BACILLUS THURINGIENSIS

BACILLUS SEED DECAY

BT BACTERIAL DISEASES

BACILLUS THURINGIENSIS

BT BACILLUS
BACTERIAL INSECTICIDES

BACKCROSS SELECTION

BT SELECTION
RT BACKCROSSING

BACKCROSSING

SN Crossing a hybrid with
one of its parents
BT CROSSBREEDING
NT CYTOSTERILITY BACKCROSSES
RT BACKCROSS SELECTION
TEST CROSSING

B**BACTERIA**

BT MICROORGANISMS
NT ACTINOBACILLUS
ACTINOMYCETALES
AEROBIC BACTERIA
ANAEROBIC BACTERIA
AZOTOBACTERIACEAE
BACILLACEAE
CORYNEBACTERIUM
ENTEROBACTERIACEAE
MYCOPLASMATALES
NITROGEN-FIXING BACTERIA
PSEUDOMONACEAE
RHIZOBIACEAE
RICKETTSIALES
RT BACTERIAL DISEASES
BACTERIOLOGY
SOIL FLORA

B**BACTERIAL BLIGHT**

BT BACTERIAL DISEASES
BLIGHTS
RT PSEUDOMONAS

D**Bacterial crinkle leaf spot**

USE BACTERIAL DISEASES + LEAF
SPOTS

D**BACTERIAL DISEASES**

UF Bacterioses
BT DISEASES
NT BACILLUS SEED DECAY
BACTERIAL BLIGHT
BACTERIAL PUSTULE
BACTERIAL SOFTROT
BACTERIAL WILT
PT BACTERIA
ROTS

D**DE****C****BACTERIAL INSECTICIDES**

BT INSECTICIDES
NT BACILLUS THURINGIENSIS

C**BACTERIAL PUSTULE**

BT BACTERIAL DISEASES
RT XANTHOMONAS

BACTERIAL SOFTROT	D	BALI	I
BT BACTERIAL DISEASES		BT INDONESIA	
SOFTROTS			
RT ERWINIA			
Bacterial tan spot (of soybean)		BALING	F
USE BACTERIAL DISEASES +		BT HARVESTING	
SPOTS + COPYNEBACTERIUM			
Bacterial wilt		BAMBOO SHOOTS	F
USE BACTERIAL DISEASES + WILTS		BT STEM VEGETABLES	
BACTERIAL WILT	D	BAND PLACEMENT	E
BT BACTERIAL DISEASES		BT PLACEMENT	
WILTS			
		BANGLADESH	I
BACTERIOLOGY	B	BT ASIA	
BT MICROBIOLOGY			
RT BACTERIA		BARBADOS	I
Bacterioses		BT CARIBBEAN	
USE BACTERIAL DISEASES			
		Barley	
		USE HORDEUM	
BAGRADA	D		
UF Harlequin bugs		BARNs	E
BT HETEROPTERA		BT BUILDINGS	
BAHAMAS	I	BARTER	G
BT CARIBBEAN		BT TRADE	
Baits			
USE ATTRACTANTS		BASIC NEEDS	G
		RT DEVELOPMENT	
BAKERY PRODUCTS	F	Batatas edulis	
BT PRODUCTS		USE IPOMOEA BATATAS	
BAKING	F	BCMV	
BT COOKING		USE BEAN COMMON MOSAIC VIRUS	
BAKING CHARACTERISTICS	B	Bean (adzuki)	
BT CHEMICOPHYSICAL PROPERTIES		USE ADZUKI BEANS	
Balance of trade		Bean (asparagus)	
USE TRADE BALANCE		USE YARD-LONG BEANS	
		Bean (azuki)	
		USE ADZUKI BEANS	

Bean (broad)
USE FABA BEANS

Bean (bush)
USE KIDNEY BEANS

Bean (butter)
USE PHASEOLUS LUNATUS

Bean (faba or fava)
USE FABA BEANS

Bean (field)
USE KIDNEY BEANS

Bean (four-angled)
USE WINGED BEANS

Bean (french)
USE KIDNEY BEANS

Bean (Goa)
USE WINGED BEANS

Bean (green)
USE KIDNEY BEANS

Bean (haricot)
USE KIDNEY BEANS

Bean (hyacinth)
USE LABLAB

Bean (Jack)
USE CANAVALIA

Bean (Lima)
USE PHASEOLUS LUNATUS

Bean (moth)
USE VIGNA ACONITIFOLIA

Bean (mung)
USE MUNGBEANS

Bean (navy)
USE KIDNEY BEANS

Bean (pole)
USE KIDNEY BEANS

Bean (red)
USE ADZUKI BEANS

Bean (rice)
USE VIGNA UMBELLATA

Bean (scarlet runner)
USE PHASEOLUS COCCINEUS

Bean (sieva)
USE PHASEOLUS LUNATUS

Bean (snake)
USE YARD-LONG BEANS

Bean (snap or string)
USE KIDNEY BEANS

Bean (tepany)
USE PHASEOLUS ACUTIFOLIUS

Bean (tick)
USE FABA BEANS

Bean (winged)
USE WINGED BEANS

Bean (yam)
USE PACHYRRHIZUS

Bean (yard-long)
USE YARD-LONG BEANS

BEAN COMMON MOSAIC VIRUS
UF BCMV
BT VIRUSES
RT MUNGBEAN MOSAIC VIRUS

BEAN CRUMPLING VIRUS
BT VIRUSES

BEAN GOLDEN MOSAIC VIRUS
BT VIRUSES

BEAN POD MOTTLE VIRUS
UF BPMV
BT VIRUSES

BEAN RUGOSE MOSAIC VIRUS
BT VIRUSES

Bean sprouts
USE SPROUTS

BEAN YELLOW MOSAIC VIRUS UF BYMV BT VIRUSES	D	Benzyladenine USE BA	
Beanflies USE AGROMYZIDAE		BETA BT CHENOPODIACEAE	A
BEES BT POLLINATORS	D	BEVERAGES BT FOODS	F
Beet armyworm USE SPODOPTERA EXIGUA		Binding USE LEAF-TYING	
BEET CURLY TOP VIRUS BT VIRUSES	D	BIOCHEMICAL PATHWAYS BT BIOCHEMISTRY RT METABOLISM	F
BEET YELLOWS VIRUS BT VIRUSES	D	BIOCHEMISTRY UF Phytochemistry BT CHEMISTRY NT BIOCHEMICAL PATHWAYS RT PHOTOCHEMISTRY PHYSIOLOGY	F
Beetles USE COLEOPTERA			
BELGIUM BT EUROPE	I	Biogas USE METHANE	
BELIZE BT CENTRAL AMERICA	I	BIOGEOGRAPHY UF Phytogeography Zoogeography NT NATURAL DISTRIBUTION PLANT INTRODUCTION RT CENTRES OF ORIGIN ECOLOGY GENETIC RESOURCES	A
BELONOLAIMUS BT NEMATODES	D		
BEMISIA BT HOMOPTERA	D		
Bengal gram USE CHICKPEAS		BIOLOGICAL COMPETITION NT ALLELOPATHY ANTAGONISM PARASITISM PREDATION SAPROPHYTISM WEED COMPETITION RT NATURAL ENEMIES	D
BENIN BT AFRICA	I		
BENINCASA UF Hairy gourd Wax gourd BT CUCURBITACEAE RT CUCURBIT VEGETABLES	A		

BIOLOGICAL CONTROL
 BT CONTROL METHODS
 NT BIOLOGICAL CONTROL
 ORGANISMS
 MASS REARING
 STERILE INSECT RELEASE

BIOLOGICAL CONTROL ORGANISMS
 BT BIOLOGICAL CONTROL
 NT ENTOMOGENOUS FUNGI
 RT NATURAL ENEMIES
 USEFUL INSECTS

BIOLOGICAL DEVELOPMENT
 BT PHYSIOLOGY
 NT DIFFERENTIATION
 EMBRYONIC DEVELOPMENT
 GROWTH
 LIGNIFICATION
 MATURATION
 RT BIOLOGY
 DEVELOPMENTAL STAGES
 EVOLUTION

BIOLOGICAL PRODUCTION
 NT BIOMASS
 RT BIOLOGY

BIOLOGICAL RHYTHMS
 BT TIMING
 RT SEASONALITY

BIOLOGY
 NT BOTANY
 CYTOLOGY
 MICROBIOLOGY
 SOIL BIOLOGY
 ZOOLOGY
 RT BIOLOGICAL DEVELOPMENT
 BIOLOGICAL PRODUCTION
 ECOLOGY
 EVOLUTION
 GENETICS
 PHYSIOLOGY
 TAXONOMY

D **BIOMASS**
 BT BIOLOGICAL PRODUCTION
 MASS

BIOSYNTHESIS
 BT PHYSIOLOGY
 NT PHOTOSYNTHESIS
 RT ANABOLISM
 NUTRITION PHYSIOLOGY

Biosystematics
 USE TAXONOMY

B **BIOTIN**
 UF Vitamin H
 BT VITAMINS

Bird chillies
 USE CAPSICUM FRUTESCENS

BIRDS
 BT ANIMALS
 RT NOXIOUS BIRDS
 POULTRY

B **Black cutworm**
 USE AGROTIS IPSILON

Black gram
 USE URD

E **BLACK MUSTARD**
 UF Mustard (black)
 BT OIL CROPS
 RT BRASSICA NIGRA

Black root rot (soybean)
 USE ROOT ROTS

BLACK EYE COWPEA MOSAIC VIRUS
 BT VIRUSES

BLACKGRAM LEAF CRINKLE VIRUS
 UF BLCV
 BT VIRUSES

BLACKGRAM MOSAIC VIRUS BT VIRUSES	D	BORNEO BT INDONESIA	I
BLACKGRAM STERILITY MOSAIC VIRUS UF BSMV BT VIRUSES	D	BORON BT ELEMENTS	B
BLCV USE BLACKGRAM LEAF CRINKLE VIRUS		BOTANY UF Plant biology BT BIOLOGY NT PLANT ECOLOGY PLANT PATHOLOGY	B
BLIGHTS BT SYMPTOMS NT BACTERIAL BLIGHT LEAF BLIGHT POD AND STEM BLIGHT RT ALTERNARIA DRECHSLERA FUNGAL DISEASES RHIZOCTONIA	D	BOTRYTIS BT FUNGI RT GREY MOULD	B
BLOTCHES BT SYMPTOMS	D	BOTSWANA BT AFRICA	I
BOATS BT TRANSPORTATION EQUIPMENT	H	BOTTLED PRODUCTS BT PRODUCT GROUPS	F
BOILING BT COOKING	F	BOTTILING BT PACKAGING	F
BOLIVIA BT SOUTH AMERICA	I	BOURKINA FASSO UF Upper Volta BT AFRICA	I
BOLTING SN Premature, early or rapid flower stalk growth and development BT FLOWER INDUCTION RT BOLTING RESISTANCE	B	BPMV USE BEAN POD MOTTLE VIRUS	
BOLTING RESISTANCE UF Slow bolting BT RESISTANCE TO INJURIOUS FACTORS RT BOLTING	CD	BRACHIARIA BT GRAMINEAE	A
		BRACHMIA BT LEPIDOPTERA	D
		BRACHYTROPES BT ORTHOPTERA	D
		BRACTS BT LEAVES	B

BRANCHING	B	BRASSICA CAMPESTRIS JAPONICA	A
BT PLANT DEVELOPMENTAL STAGES		UF Brassica campestris nipposinica	
RT APICAL DOMINANCE STEMS		BT BRASSICA CAMPESTRIS	
BRASSICA	A	BRASSICA CAMPESTRIS NARINOSA	A
BT CRUCIFERAE		BT BRASSICA CAMPESTRIS	
NT BRASSICA CAMPESTRIS		Brassica campestris nipposinica	
BRASSICA CARINATA		USE BRASSICA CAMPESTRIS JAPONICA	
BRASSICA JUNCEA			
BRASSICA NAPUS			
BRASSICA NIGRA			
BRASSICA OLERACEA			
Brassica alboglabra		BRASSICA CAMPESTRIS OLEIFERA	A
USE BRASSICA OLERACEA ALBOGLABRA		UF Turnip rape	
		BT BRASSICA CAMPESTRIS	
BRASSICA CAMPESTRIS	A	BRASSICA CAMPESTRIS PARACHINENSIS	A
BT BRASSICA		UF Brassica parachinensis	
NT BRASSICA CAMPESTRIS CAMPESTRIS		BT BRASSICA CAMPESTRIS	
BRASSICA CAMPESTRIS CHINENSIS		RT CHINESE FLOWERING CABBAGE	
BRASSICA CAMPESTRIS JAPONICA			
BRASSICA CAMPESTRIS NARINOSA		BRASSICA CAMPESTRIS PEKINENSIS	A
BRASSICA CAMPESTRIS OLEIFERA		UF Brassica pekinensis	
BRASSICA CAMPESTRIS PARACHINENSIS		BT BRASSICA CAMPESTRIS	
BRASSICA CAMPESTRIS PEKINENSIS		RT CHINESE CABBAGE	
BRASSICA CAMPESTRIS RAPA			
BRASSICA CAMPESTRIS TRILOCULARIS		BRASSICA CAMPESTRIS RAPA	A
		UF Brassica campestris rapifera	
BRASSICA CAMPESTRIS CAMPESTRIS	A	Brassica rapa	
BT BRASSICA CAMPESTRIS		BT BRASSICA CAMPESTRIS	
		PT TURNIPS	
BRASSICA CAMPESTRIS CHINENSIS	A	Brassica campestris rapifera	
UF Brassica chinensis		USE BRASSICA CAMPESTRIS RAPA	
BT BRASSICA CAMPESTRIS			
RT CHINESE FLAT CABBAGE		BRASSICA CAMPESTRIS TRILOCULARIS	A
CHINESE WHITE CABBAGE		UF Sarson	
		BT BRASSICA CAMPESTRIS	
		BRASSICA CARINATA	A
		BT BRASSICA	
		PT ETHIOPIAN MUSTARD	

Brassica chinensis
 USE BRASSICA CAMPESTRIS
 CHINENSIS

BRASSICA JUNCEA
 BT BRASSICA
 RT LEAF MUSTARD

BRASSICA NAPUS
 BT BRASSICA
 NT BRASSICA NAPUS BIENNIS
 BRASSICA NAPUS
 NAPOBRASSICA
 BRASSICA NAPUS OLEIFERA
 RT HAKURAN
 RAPE

BRASSICA NAPUS BIENNIS
 BT BRASSICA NAPUS

BRASSICA NAPUS NAPOBRASSICA
 BT BRASSICA NAPUS

BRASSICA NAPUS OLEIFERA
 BT BRASSICA NAPUS

BRASSICA NIGRA
 BT BRASSICA
 RT BLACK MUSTARD

BRASSICA OLERACEA
 BT BRASSICA
 NT BRASSICA OLERACEA ACEPHALA
 BRASSICA OLERACEA
 ALBOGLABRA
 BRASSICA OLERACEA BOTRYTIS
 BRASSICA OLERACEA CAPITATA
 BRASSICA OLERACEA
 GEMMIFERA
 BRASSICA OLERACEA
 GONGYLODES
 BRASSICA OLERACEA ITALICA

BRASSICA OLERACEA ACEPHALA
 BT BRASSICA OLERACEA
 RT KALES

BRASSICA OLERACEA ALBOGLABRA
 UF Brassica albolabra
 BT BRASSICA OLERACEA
 RT CHINESE KALE

BRASSICA OLERACEA BOTRYTIS
 BT BRASSICA OLERACEA
 RT CAULIFLOWERS

BRASSICA OLERACEA CAPITATA
 BT BRASSICA OLERACEA
 RT COMMON CABBAGE

BRASSICA OLERACEA GEMMIFERA
 BT BRASSICA OLERACEA
 RT BRUSSELS SPROUTS

BRASSICA OLERACEA GONGYLODES
 BT BRASSICA OLERACEA
 RT KOHLRABI

BRASSICA OLERACEA ITALICA
 BT BRASSICA OLERACEA
 RT BROCCOLI

Brassica parachinensis
 USE BRASSICA CAMPESTRIS
 PARACHINENSIS

Brassica pekinensis
 USE BRASSICA CAMPESTRIS
 PEKINENSIS

Brassica rapa
 USE BRASSICA CAMPESTRIS RAPA

BRAZIL
 BT SOUTH AMERICA

BRAZILIAN BUD BLIGHT
 BT VIRAL DISEASES
 RT TOBACCO STREAK VIRUS

BREEDERS RIGHTS
 BT LEGAL ASPECTS
 RT PLANT BREEDING

BREEDING AIMS	C	BROAD BEAN TRUE MOSAIC VIRUS	D
UF Breeding objectives		BT VIRUSES	
BT PLANT BREEDING			
NT COMPACT HEADS			
EARLY MATURATION		BROAD BEAN WILT VIRUS	D
EATING QUALITY		BT VIRUSES	
HYBRID VIGOUR			
PLANT TYPE IMPROVEMENT			
RESISTANCE TO INJURIOUS		BROADCASTING	D
FACTORS		BT APPLICATION METHODS	
SHIPPING ABILITY			
TRAIT STABILITY			
UNIFORMITY		BROCCOLI	F
WIDE ADAPTABILITY		UF Sprouting broccoli	
YIELD INCREASE		BT GREEN VEGETABLES	
		RT BRASSICA OLERACEA ITALICA	
BREEDING BARRIERS	C	BROMACIL	F
BT PLANT BREEDING		BT ANTIMETABOLITES	
NT HYBRID BREAKDOWN			
POLLEN INCOMPATIBILITY			
SELF INCOMPATIBILITY		BROMELIACEAE	A
RT INTERSPECIFIC STERILITY		BT PLANTS	
ISOLATION TECHNIQUE		NT ANANAS	
BREEDING LINES	C	BROMINE	D
NT INBRED LINES		BT ELEMENTS	
PURE LINES			
RT PLANT BREEDING			
Breeding objectives		BROWN SPOT	D
USE BREEDING AIMS		UF Septoria leaf spot	
		(soybean)	
BREVICORYNE	D	BT FUNGAL DISEASES	
BT APHIDS		SPOTS	
		RT SEPTORIA	
BREVIPALPUS	D	BROWN STEM ROT	D
BT ACARINA		UF Phialophora stem rot	
		BT STEM POTS	
Broad bean		RT PHIALOPHORA	
USE FABA BEANS			
BROAD BEAN MOTTLE VIRUS	D	BRUNEI	I
BT VIRUSES		BT ASIA	
BROAD BEAN STAIN VIRUS	D	BRUSSELS SPROUTS	F
BT VIRUSES		BT GREEN VEGETABLES	
		RT BRASSICA OLERACEA	
		GEMMIFERA	

BSMV
USE BLACKGRAM STERILITY
MOSAIC VIRUS

BUD BLIGHT D
BT VIRAL DISEASES
RT TOBACCO RINGSPOT VIRUS

BUD POLLINATION B
SN Young pistils
self-fertilized with
mature pollen
BT SELF POLLINATION

BUDDING C
SN The union of two
different plants by
inserting the bud of one
into the stem of the other
BT GRAFTING

BUDS BC
BT PLANT ANATOMY
PROPAGATION MATERIALS
RT AXILLARY BUD CULTURE

Bugs
USE HEMIPTERA

BUILDINGS H
UF Farm buildings
NT BARNS
GREENHOUSES
GROWTH CHAMBERS
ISOLATION TENTS
PLASTIC TUNNELS
STORAGE STRUCTURES

BULBOUS VEGETABLES E
BT VEGETABLE CROPS
NT GARLIC
LEeks
ONIONS

BURMA I
BT ASIA

Burning
USE CONTROLLED BURNING

BURUNDI I
BT AFRICA

Bush bean
USE KIDNEY BEANS

Business administration
USE BUSINESS MANAGEMENT

BUSINESS MANAGEMENT G
UF Business administration
BT ADMINISTRATION
NT FARM MANAGEMENT
RT BUSINESS ORGANIZATIONS
PROFIT MAXIMIZATION

BUSINESS ORGANIZATIONS G
UF Firms
RT ORGANIZATIONS
RT BUSINESS MANAGEMENT
FARMS
MARKETING BOARDS

Butter bean
USE PHASEOLUS LUNATUS

Butterflies
USE LEPIDOPTERA

BYMV
USE BEAN YELLOW MOSAIC VIRUS

BYPRODUCTS F
BT PRODUCTS
NT CEREAL BYPRODUCTS

CA storage
USE CONTROLLED ATMOSPHERE
STORAGE

Cabbage (Chinese flat)
USE CHINESE FLAT CABBAGE

Cabbage (Chinese white)
USE CHINESE WHITE CABBAGE

Cabbage (Chinese)
USE CHINESE CABBAGE

Cabbage (common)		CAJANUS	A
USE COMMON CABBAGE		BT LEGUMINOSAE	
Cabbage (Shanghai white)		NT CAJANUS CAJAN	
USE CHINESE WHITE CABBAGE			
Cabbage flea beetle		CAJANUS CAJAN	A
USE PHYLLOTRETA STRIOLATA		BT CAJANUS	
		RT CAJAN	
Cabbage looper			
USE TRICHOPLUSIA			
Cabbage moth		CALCAREOUS SOILS	F
USE CROCIDOLOMIA		BT CHEMICAL SOIL TYPES	
		LITHOLOGICAL SCIL TYPES	
Cabbage sawfly			
USE ATHALIA		CALCIUM	D
		BT ELEMENTS	
CABBAGE TYPES	E		
BT CABBAGES		CALCIUM CARBONATE	F
NT HEADING CABBAGE		BT CARBONATES	
NON-HEADING CABBAGE			
SEMI-HEADING CABBAGE		Calcium sulphate	
		USE GYPSUM	
Cabbage webworm			
USE HELLULA		CALIOTHRIPS	D
		BT THYSANOPTERA	
CABBAGES	E		
BT GREEN VEGETABLES			
NT CABBAGE TYPES		CALLIPHORA	D
CHINESE CABBAGE		BT CALLIPHORIDAE	
CHINESE FLAT CABBAGE			
CHINESE FLOWERING CABBAGE		CALLIPHORIDAE	D
CHINESE WHITE CABBAGE		BT DIPTERA	
COMMON CABBAGE		NT CALLIPHORA	
		CHRYSOMIA	
Caesalpinioideae			
USE LEGUMINOSAE			
CAJAN	E	CALLOSOBRUCHUS	D
UF Arhar		BT COLEOPTERA	
Dhal			
Gram (red)		CALONECTRIA	F
Pea (pigeon)		BT FUNGI	
Pigeon peas		RT CYLINDROCLADIUM	
Red gram		ROOT ROTS	
BT GRAIN LEGUMES			
RT CAJANUS CAJAN		CALORIFIC VALUE	B
		BT CHEMICOPHYSICAL PROPERTIES	

CALYX	B	CANNING	F
UF Sepals		BT PACKAGING	
BT FLOWERS		RT CANNED PRODUCTS	
Cambered seedbeds			
USE RAISED SEEDBEDS		CANOPY	F
		SW Cover of leaves and branches formed by tops of plants	
CAMBIUM	B	BT PLANT ANATOMY	
BT VASCULAR BUNDLES		PT CANOPY SHAPE	
Cambodia			
USE KAMPUCHEA		CANOPY SHAPE	I
		BT PLANT HABIT	
CAMELLIA	A	RT CANOPY	
UF Tea			
BT THEACEAE			
		CAPITAL	G
CAMEROON	I	BT PRODUCTION FACTORS	
BT AFRICA			
		CAPITAL BUDGETING	G
CANADA	I	BT AGRICULTURAL FINANCE	
BT NORTH AMERICA		PT INVESTMENT	
CANALS	F	CAPSICUM	A
BT INLAND WATERWAYS		BT SOLONACEAE	
		NT CAPSICUM ANNUUM	
		CAPSICUM FRUTESCENS	
CANAVALIA	A		
UF Bean (jack)		CAPSICUM ANNUUM	I
Jack bean		UF Red peppers	
BT LEGUMINOSAE		Sweet peppers	
		BT CAPSICUM	
CANKERS	D		
BT FUNGAL DISEASES		CAPSICUM FRUTESCENS	A
SYMPTOMS		UF Bird chillies	
NT STEM CANKER		BT CAPSICUM	
CANNABIDACEAE	A	CARBOHYDRATES	F
BT PLANTS		BT ORGANIC COMPOUNDS	
NT HUMULUS		NT POLYSACCHARIDES	
		SUGARS	
		RT NUTRIENT CONTENT	
CANNED PRODUCTS	F		
BT PRODUCT GROUPS		CARBON	F
RT CANNING		BT ELEMENTS	

CARBON DIOXIDE
BT OXIDES

B

CASSIA
BT LEGUMINOSAE

A

CARBONATES
BT SALTS
NT CALCIUM CARBONATE

A

CATABOLISM
BT METABOLISM
RT RESPIRATION

1

CARIBBEAN
BT AMERICA
NT BAHAMAS
BARBADOS
CUBA
DOMINICAN REPUBLIC
HAITI
JAMAICA
PUERTO RICO
TRINIDAD AND TOBAGO
WEST INDIES ASSOCIATED
STATES

1

CATALYTIC ACTIVITY
BT CHEMICOPHYSICAL PROPERTIES

Caterpillars
USE LEPIDOPTERA

CATTLE
BT LIVESTOCK

1.

CAULIFLOWER MOSAIC VIRUS BT VIRUSES

CARNITINE
BT AMINO ACIDS

B

CAULIFLOWERS
UF Ye tsoi fa
BT VEGETABLE CROPS
RT BRASSICA OLERACEA BOTRYTIS

Carotenes
USE CAROTENOIDS

CAROTENOIDS
UF Carotenes
BT PIGMENTS

B

Caup1
USE COWPEAS

CCMV
USE COWPEA CHLOROTIC MOTTLE
VIRUS

Carpels
USE PISTILS

CARROTS
BT ROOT VEGETABLES
RT DAUCUS CAROTA

F

CECIDOMYIIDAE
UF Gall midges
BT DIPTERA
NT ASPHONDYLIA

CARTS
BT TRANSPORTATION EQUIPMENT

H

CELERY
BT GREEN VEGETABLES
NT CHINESE CELERY
RT APIUM

CASSAVA
BT ROOT VEGETABLES
RT MANIHOT

E

Celery cabbage
USE CHINESE CABBAGE

**CASSAVA MOSAIC VIRUS
BT VIRUSES**

D

Cell culture
USE TISSUE CULTURE

CELL DIVISION	E	CELOSIA	I
BT PHYSIOLOGY		BT AMARANTHACEAE	
NT MEIOSIS			
MITOSIS			
RT GROWTH		CENCHRUS	A
MERISTEMS		BT GRAMINEAE	
NUCLEUS			
CELL MEMBRANE PHYSIOLOGY	B	CENTRAL AFRICAN REPUBLIC	I
BT PHYSIOLOGY		BT AFRICA	
RT CELL MEMBRANES			
CELL WALLS		CENTRAL AMERICA	I
CYTOLOGY		BT AMERICA	
PERMEABILITY		NT BELIZE	
		COSTA RICA	
CELL MEMBRANES	B	EL SALVADOR	
BT CELL STRUCTURE		GUATEMALA	
NT PLASMALEMMA		HONDURAS	
TONOPLAST		NICARAGUA	
RT CELL MEMBRANE PHYSIOLOGY		PANAMA	
CELL STRUCTURE	B	CENTRAL PLANNING	G
NT CELL MEMBRANES		BT PLANNING	
CELL WALLS			
CYTOPLASMIC ORGANELLES		CENTRES OF DIVERSITY	A
NUCLEUS		BT EVOLUTION	
PROTOPLASM		RT CENTRES OF ORIGIN	
RIOSOMES			
RT CELLS		CENTRES OF ORIGIN	A
CYTOLOGY		BT EVOLUTION	
		RT BIOGEOGRAPHY	
CELL WALLS	B	CENTRES OF DIVERSITY	
BT CELL STRUCTURE			
RT CELL MEMBRANE PHYSIOLOGY			
		CERATITIS	I
CELLS	B	BT TEPHRITIDAE	
NT TRACHEIDS			
RT CELL STRUCTURE		CERATOCYSTIS	I
CYTOLOGY		BT FUNGI	
CELLULASE	B	CERCOSPORA	I
BT HYDROLASES		BT FUNGI	
		NT CERCOSPORA CANESCENS	
CELLULOSES	B	CERCOSPORA KIKUCHII	
BT POLYSACCHARIDES		CERCOSPORA SOJINA	
NT LIGNINS		RT CERCOSPORA LEAF SPOT	

CERCOSPORA CANESCENS BT CERCOSPORA	D	CGIAR SN Consultative Group on International Agricultural Research ORGANIZATIONS RT AGRICULTURAL RESEARCH CENTRES	G
CERCOSPORA KIKUCHII BT CERCOSPORA	D	RT	
CERCOSPORA LEAF SPOT UF Cercospora leaf spot and blight CLS BT FUNGAL DISEASES LEAF SPOTS RT CERCOSPORA	D	CGR USE CROP GROWTH RATE	
Cercospora leaf spot and blight USE CERCOSPORA LEAF SPOT		CHAD RT AFRICA	I
CERCOSPORA SOJINA BT CERCOSPORA RT FROGEYE LEAF SPOT	D	CHAETOCNEMA BT COLEOPTERA	I
CERCOSPORA SOJINA BT CERCOSPORA RT FROGEYE LEAF SPOT	D	CHAETOMIUM RT FUNGI	I
CEREAL BYPRODUCTS BT BYPRODUCTS NT STRAW	F	CHAETOSEPTORIA RT FUNGI	I
CEREAL PRODUCTS BT VEGETABLE PRODUCTS	F	Chafers USE COLEOPTERA	
CEREALS SN Grasses grown for their grain BT GRAIN CROPS RT HORDEUM ORYZA SORGHUM TRITICUM ZEA	E	CHARACTERS UF Traits NT AGRONOMIC CHARACTERS QUALITATIVE CHARACTERS QUANTITATIVE CHARACTERS STORAGE TRAITS RT ACQUIRED CHARACTERS	C
Ceylon USE SRI LANKA		Characters (acquired) USE ACQUIRED CHARACTERS	
		Characters (agronomic) USE AGRONOMIC CHARACTERS	
		Characters (horticultural) USE AGRONOMIC CHARACTERS	
		CHARCOAL ROT BT ROTS RT MACROPHOMINA	I

CHEMICAL ANALYSIS	F	CHEMICOPHYSICAL PROPERTIES	B
RT CHEMISTRY		UF Chemical properties	
COMPOSITION		Physical properties	
		Properties (chemical)	
		Properties (physical)	
CHEMICAL APPLICATION	D	NT ABSORPTION	
BT CHEMICAL CONTROL		BAKING CHARACTERISTICS	
RT AGRICULTURAL CHEMICALS		CALORIFIC VALUE	
APPLICATION METHODS		CATALYTIC ACTIVITY	
FERTILIZER APPLICATION		DIMENSIONS	
		MASS	
Chemical composition		MECHANICAL PROPERTIES	
USE COMPOSITION		OPTICAL PROPERTIES	
		ORGANOLEPTIC PROPERTIES	
		OXIDATION	
CHEMICAL CONTROL	D	PERMEABILITY	
SN Use of chemicals to		PH	
control pests and weeds		PHOTOSENSITIVITY	
BT CONTROL METHODS		PRESSURE	
NT CHEMICAL APPLICATION		RADIOACTIVITY	
RT HERBICIDES		REDUCTION	
PESTICIDES		RHEOLOGICAL PROPERTIES	
		SALINITY	
Chemical properties		SOIL CHEMICOPHYSICAL	
USE CHEMICOPHYSICAL PROPERTIES		PROPERTIES	
		TEXTURE	
		THERMAL PROPERTIES	
CHEMICAL SOIL TYPES	E		
BT SOIL TYPES		CHEMISTRY	B
NT ACID SOILS		NT BIOCHEMISTRY	
ALKALINE SOILS		PHOTOCHEMISTRY	
CALCAREOUS SOILS		SOIL CHEMISTRY	
ORGANIC SOILS		RT CHEMICAL ANALYSIS	
SALINE SOILS		INORGANIC COMPOUNDS	
		ISOLATION	
		ORGANIC COMPOUNDS	
		CHEMOSTERILANTS	F
		BT AGRICULTURAL CHEMICALS	
		CHENOPODIACEAE	A
		BT PLANTS	
		NT BETA	
		CHENOPODIUM	
		SPINACIA	
		CHENOPODIUM	A
		BT CHENOPODIACEAE	
		NT CHENOPODIUM AMARANTICOLOR	
		CHENOPODIUM QUINOA	

CHENOPODIUM AMARANTICOLOR	AD	CHINA	I
BT CHENOPODIUM		UF Mainland China	
INDICATOR HOST PLANTS		People's Republic of China	
		BT ASIA	
CHENOPODIUM QUINOA	AD	China (Taiwan)	
BT CHENOPODIUM		USE TAIWAN	
INDICATOR HOST PLANTS			
CHEWING INSECTS	D	CHINESE CABBAGE	F
BT PEST INSECTS		UF Cabbage (Chinese)	
NT LEAF-EATING INSECTS		Celery cabbage	
POD BORERS		BT CABBAGES	
ROOT-EATING INSECTS		RT BRASSICA CAMPESTRIS	
STEM BORERS		PEKINENSIS	
CHICKPEAS	E	CHINESE CABBAGE CULTIVARS	F
UF Bengal gram		BT CULTIVARS	
Egyptian pea			
Gram (Bengal)		CHINESE CELERY	F
Gram pea		UF Kun tsoi	
Pea (chick)		BT CELERY	
Pea (Egyptian)			
Pea (gram)		CHINESE CHIVES	F
BT GRAIN LEGUMES		UF Chives (Chinese)	
VEGETABLE LEGUMES		BT CHIVES	
RT CICER ARIETINUM			
CHILE	I	CHINESE FLAT CABBAGE	F
BT SOUTH AMERICA		SN var. rosularis	
		UF Cabbage (Chinese flat)	
		Tai ko tsoi	
CHILI LEAFCURL VIRUS	D	BT CABBAGES	
BT VIRUSES		RT BRASSICA CAMPESTRIS	
		CHINENSIS	
Chilling			
USE COOLING			
Chimaeras		CHINESE FLOWERING CABBAGE	F
USE CHIMERAS		BT CABBAGES	
		RT BRASSICA CAMPESTRIS	
		PARACHINENSIS	
CHIMERAS	C	CHINESE GARLIC	F
UF Chimaeras		UF Garlic (Chinese)	
Somatic mutations		BT GARLIC	
BT PLANT TYPES			
RT MUTANTS			

CHINESE KALE
 UF Kai lan tsoi
 BT KALES
 RT BRASSICA OLERACEA
 ALBOGLABRA

CHINESE LEEKS
 BT LEEKS

Chinese mustard
 USE LEAF MUSTARD

CHINESE RADISH
 UF Radish (Chinese)
 BT RADISHES
 RT RAPHANUS SATIVUS
 LONGIPINNATUS

Chinese spinach
 USE AMARANTH

CHINESE WHITE CABBAGE
 UF Cabbage (Chinese white)
 Cabbage (Shanghai white)
 Pak choi
 Pak tsoi
 Petsai
 Shanghai pak tsoi
 Shanghai white cabbage
 Tsing pak tsoi
 White cabbage (Chinese or
 Shanghai)
 BT CABBAGES
 RT BRASSICA CAMPESTRIS
 CHINENSIS

CHITIN
 BT POLYSACCHARIDES

CHIVES
 BT GREEN VEGETABLES
 NT CHINESE CHIVES
 RT ALLIUM

Chives (chinese)
 USE CHINESE CHIVES

E
 CHLORIDES
 BT SALTS
 NT POTASSIUM CHLORIDE

CHLORINE
 BT ELEMENTS

Chlorophyceae
 USE ALGAE

CHLOROPHYLLS
 BT PIGMENTS

CHLOROPLASTS
 BT PLASTIDS
 RT PHOTOSYNTHESIS

CHLOROSIS
 RT SYMPTOMS

CHOANEPHORA
 BT FUNGI
 RT LEAF FLIGHT

Chou tofu
 USE SOY CHEESES

CHROMOSOME MANIPULATION
 BT PLANT BREEDING
 RT CHROMOSOMES
 GENES

CHROMOSOME NUMBER
 BT CHROMOSOMES
 NT ANEUPLOIDY
 DIPLOIDS
 HAPLOIDS
 POLYPLOIDS

CHROMOSOMES
 BT NUCLEUS
 NT CHROMOSOME NUMBER
 RT CHROMOSOME MANIPULATION
 DNA
 GENES

CHRYSANTHEMUM	A	CLEISTOGAMY	F
BT COMPOSITAE		SH The condition of having flowers which never open and are self-pollinated	
CHRYSOMIA	D	BT SELF POLLINATION	
BT CALLIPHORIDAE			
CICADULINA	D	CLIMATE	F
BT HOMOPTERA		BT ENVIRONMENTAL CONDITIONS	
		NT MOUNTAIN CLIMATE	
		TEMPERATE CLIMATE	
		TROPICAL CLIMATE	
CICER	A	RT CLIMATIC REQUIREMENTS	
BT LEGUMINOSAE		PRECIPITATION	
NT CICER ARIETINUM			
CICER ARIETINUM	A	CLIMATIC REQUIREMENTS	F
BT CICER		BT CULTIVATION	
RT CHICKPEAS		RT CLIMATE	
		ENVIRONMENTAL CONTROL	
CICHORIUM	A	CLIMATIC SOIL TYPES	F
BT COMPOSITAE		BT SOIL TYPES	
		NT TROPICAL SOILS	
CILIOPHORA	D	CLONES	C
BT PROTOZOA		SH Organisms of identical genetic constitution	
CITRIC ACID	B	BT PLANT TYPES	
BT ORGANIC ACIDS		RT CLONING	
		PURE LINES	
CITRULLINE	B	CLONING	EC
BT AMINO ACIDS		BT ASEXUAL REPRODUCTION	
		VEGETATIVE PROPAGATION	
CITRULLUS	A	RT CLONES	
BT CUCURBITACEAE			
CLADOSPORIUM	D	CLS	
BT FUNGI		USE CERCOSPORA LEAF SPOT	
CLAY SOILS	E	CLUBROOT	F
BT LITHOLOGICAL SOIL TYPES		BT FUNGAL DISEASES	
TEXTURAL SOIL TYPES		RT PLASMODIOPHORA	
CLEANING	F	CMV	
BT PROCESSING		USE CUCUMBER MOSAIC VIRUS	
		COATING	F
		RT PROCESSING	

COBALT
BT ELEMENTS

Cobb-Douglas function
USE PRODUCTION FUNCTIONS

Coccids
USE HOMOPTERA

COCCINIA
BT CUCURBITACEAE

COENZYMES
BT ENZYMES
RT VITAMINS

COLASPIS
BT COLEOPTERA

COLCHICINE
BT ALKALOIDS
MUTAGENS

Cold tolerance
USE TEMPERATURE RESISTANCE

B

A

B

D

BE

COLEOPTERA
UF Beetles
Chafers
Weevils
BT INSECTS
NT ACALYMMA
AGRIOTES
ALCIDODES
ANOMALA
ASPIDOMORPHA
CALLOSOBRUCHUS
CHAETOCNEMA
COLASPIS
CONODERUS
CURCULIO
CYCLAS
DECTES
DIABROTICA
EPICAUTA
EPILACHNA
EUSCEPES
HYPOMECE
LISTRODERES
MELANOTUS
OOTHECA
ORYZAEPHILUS
PHAEDON
PHYLLOPHAGA
PHYLLOTPETA
SYSTEMA

COLIAS
BT LEPIDOPTERA

COLLECTIVE FARMING
BT FARMING SYSTEMS

COLLENCHYMA
BT PLANT TISSUES

COLLETOTRICHUM
BT FUNGI
RT ANTHRACNOSES

COLOCASIA
BT ARACEAE

COLOMBIA	I	COMPOSITION	F
BT SOUTH AMERICA		UF Chemical composition	
		Food composition	
COLOUR	B	NT ASH CONTENT	
BT OPTICAL PROPERTIES		CRUDE FIBRE	
		DRY MATTER	
Combine harvesters		NUTRIENT CONTENT	
USE HARVESTING EQUIPMENT		NUTRITIVE VALUE	
		RT ADDITIVES	
		CHEMICAL ANALYSIS	
COMBINING ABILITY	C	CONDITIONS	C
BT PLANT BREEDING		NT FARM CONDITIONS	
NT GENERAL COMBINING ABILITY		FIELD CONDITIONS	
SPECIFIC COMBINING ABILITY		GREENHOUSE CONDITIONS	
		LABORATORY CONDITIONS	
COMMON CABBAGE	E	RURAL CONDITIONS	
UF Cabbage (common)		VILLAGE CONDITIONS	
BT CABBAGES		RT CONSTRAINTS	
RT BRASSICA OLERACEA CAPITATA		LIVING STANDARDS	
COMMON MARKETS	G	CONGO	I
BT MARKETS		UF People's Republic of the Congo	
		BT AFRICA	
COMPACT HEADS	C	CONIOTHYRIUM	I
BT BREEDING AIMS		BT FUNGI	
RT HEAD FORMATION			
COMPARATIVE STUDIES	H	CONODERUS	I
BT RESEARCH		BT COLEOPTERA	
NT VARIETAL COMPARISONS			
Comparisons (among cultivars or varieties)		CONSERVATION	C
USE VARIETAL COMPARISONS		NT ENERGY CONSERVATION	
		RESOURCE CONSERVATION	
		RT GENETIC EPOSITION	
COMPOSITAE	A	Conservation (food)	
BT PLANTS		USE PRESERVATION	
NT AMBROSIA			
CHRYSANTHEMUM		CONSTRAINTS	G
CICHORIUM		SN Factors limiting economic growth or profit maximization	
CRASSOCEPHALUM		RT CONDITIONS	
HELIANTHUS		DEVELOPMENT	
LACTUCA			
XANTHIUM			

CONSUMPTION	G	CONVOLVULACEAE	A
NT ON-FARM CONSUMPTION		BT PLANTS	
RT DEMAND		NT CONVOLVULUS	
MACROECONOMICS		IPOMOEA	
CONTAINERS	H	CONVOLVULUS	A
BT EQUIPMENT		BT CONVOLVULACEAE	
CONTINUOUS CROPPING	E	COOKING	F
BT CROPPING SYSTEMS		BT PROCESSING	
		NT BAKING	
		BOILING	
CONTOUR CULTIVATION	E	FRYING	
BT CROPPING SYSTEMS		ROASTING	
		RT HEATING	
		HEATING EQUIPMENT	
CONTRACT FARMING	E		
BT FARMING SYSTEMS			
		COOL SEASON	F
		BT SEASONS	
CONTROL METHODS	D		
BT CONTROL OF INJURIOUS			
FACTORS			
NT BIOLOGICAL CONTROL		COOLERS	F
CHEMICAL CONTROL		BT COOLING EQUIPMENT	
CULTURAL CONTROL		STORAGE EQUIPMENT	
GENETIC CONTROL			
PHYSICAL CONTROL			
		COOLING	FF
		UF Chilling	
		BT ENVIRONMENTAL CONTROL	
		PROCESSING	
		RT COOLING EQUIPMENT	
CONTROL OF INJURIOUS FACTORS	D		
BT PLANT PROTECTION			
NT CONTROL METHODS			
DISEASE CONTROL			
FLOOD CONTROL			
PEST CONTROL			
WEED CONTROL			
RT ENVIRONMENTAL CONTROL			
		COOLING EQUIPMENT	F
		BT PROCESSING EQUIPMENT	
		NT COOLERS	
		RT COOLING	
CONTROLLED ATMOSPHERE STORAGE	F		
UF CA storage		COOPERATIVE ACTIVITIES	G
BT STORAGE		UF Cooperatives	
		Cooperatives	
		USE COOPERATIVE ACTIVITIES	
CONTROLLED BURNING	E		
UF Burning			
BT WASTE DISPOSAL			
		COPPER	F
		BT ELEMENTS	
CONTROLLED PRICES	G		
BT PRICES			

CORIANDRUM	A	COTYLEDONS	F
BT UMBELLIFERAE		UF Seed-leaves	
Corn earworm		BT EMBRYO	
USE OSTRINIA		LEAVES	
Corn semi-looper		COUMARINS	F
USE PLUSIA		BT AROMATICS	
		GROWTH INHIBITORS	
COROLLA	B	COVER CROPS	F
BT FLOWERS		UF Cover plants	
		BT CROPS	
CORTEX	B	Cover plants	
BT PLANT TISSUES		USE COVER CROPS	
CORTICIUM	D	COWPEA APHID-BORNE MOSAIC VIRUS	F
BT FUNGI		BT VIRUSES	
CORYNEBACTERIUM	D	COWPEA CHLOROTIC MOTTLE VIRUS	F
BT BACTERIA		UF CCMV	
		BT VIRUSES	
CORYNESPORA	D	COWPEA MILD MOTTLE VIRUS	D
BT FUNGI		BT VIRUSES	
RT TARGET SPOT			
COST BENEFIT ANALYSIS	G	COWPEA MOSAIC VIRUS	F
BT ECONOMICS		BT VIRUSES	
COSTA RICA	I	COWPEA SEVERE MOSAIC VIRUS	F
BT CENTRAL AMERICA		BT VIRUSES	
COSTS	G	COWPEAS	F
NT DEVELOPMENT COSTS		UF Caupi	
MARKETING COSTS		Marble pea	
PROCESSING COSTS		Pea (cow)	
PRODUCTION COSTS		Pea (marble)	
TAXES		Pea (southern)	
RT PRICES		Sitao	
		Southern pea	
COTTAGE INDUSTRY	F	BT GRAIN LEGUMES	
UF Home industry		VEGETABLE LEGUMES	
BT INDUSTRY		PT VIGNA UNGUICULATA	
Cotton			
USE GOSSYPIUM			

CRASSOCEPHALUM BT COMPOSITAE	A	Crop rotation USE ROTATIONAL CROPPING	
CREATINE BT AMINO ACIDS	B	Crop stealing USE ILLEGAL PRACTICES	
CREATININE BT AMINO ACIDS	B	Crop yields USE YIELDS	
Crickets USE ORTHOPTERA		Cropping patterns USE CROPPING SYSTEMS	
CRICONEMOIDES BT NEMATODES	D	CROPPING SYSTEMS	E
CROCIDOLOMIA UF Cabbage moth BT LEPIDOPTERA	D	UF Cropping patterns Cultivation systems	
CRONARTIUM BT FUNGI	D	BT CULTIVATION	
CROP GROWTH RATE UF CGR BT GROWTH ANALYSIS	B	NT CONTINUOUS CROPPING CONTOUR CULTIVATION DRY FARMING FALLOW SYSTEMS HYDROPONICS INTERCROPPING IRRIGATED FARMING MONOCULTURE MULTIPLE CROPPING RAIN-FED FARMING RELAY CROPPING RICE-BASED CROPPING SYSTEMS	
Crop husbandry USE CULTIVATION		ROTATIONAL CROPPING SEQUENTIAL CROPPING SHIFTING CULTIVATION TERRACE CROPPING UPLAND CROPPING	
CROP INSURANCE RT CROP LOSSES YIELDS	G	RT FARMING SYSTEMS	
CROP LOSSES BT LOSSES RT CROP INSURANCE INJURIOUS FACTORS	G	CROPS	F
Crop production USE PLANT PRODUCTION		NT COVER CROPS FEED CROPS FOOD CROPS GRAIN CROPS GREEN MANURES NUT CROPS OIL CROPS SEED CROPS VEGETABLE CROPS	
Crop protection USE PLANT PROTECTION		RT LEGUMES PLANTS PRODUCTS	
Crop residues USE PLANT RESIDUES		CROSS FIXATION BT CROSSBREEDING	C

CROSS POLLINATION	B	CUBA	I
BT POLLINATION		BT CARIBBEAN	
Crossbreds			
USE HYBRIDS		CUCUMBER MOSAIC VIRUS	D
		UF CMV	
		RT VIRUSES	
CROSSBREEDING	C		
UF Hybridization			
BT PLANT BREEDING		CUCUMIS	A
NT BACKCROSSING		BT CUCURBITACEAE	
CROSS FIXATION		NT CUCUMIS MELO	
DOUBLE CROSSES		CUCUMIS SATIVUS	
HYBRID PRODUCTION		RT CUCURBIT VEGETABLES	
INTERGENERIC HYBRIDIZATION			
INTERSPECIFIC			
HYBRIDIZATION		CUCUMIS MELO	A
INTRASPECIFIC		BT CUCUMIS	
HYBRIDIZATION			
RECIPROCAL CROSSING			
SINGLE CROSSES		CUCUMIS SATIVUS	A
TEST CROSSING		BT CUCUMIS	
THREE-WAY CROSSES		INDICATOR HOST PLANTS	
CROTALARIA	A	CUCURBIT VEGETABLES	E
BT LEGUMINOSAE		UF Melons	
		Pumpkins	
		Winter squashes	
CRUCIFERAE	A	BT FRUIT VEGETABLES	
BT PLANTS		PT BENINCASA	
NT BRASSICA		CUCUMIS	
LEPIDIUM		CUCURBITA	
NASTURTIUM		LUFFA	
RAPHANUS		MOMORDICA	
RORIPPA			
SINAPIS			
		CUCURBITA	A
		BT CUCURBITACEAE	
		RT CUCURBIT VEGETABLES	
CRUDE FIBRE	F		
UF Fibre (crude)			
BT COMPOSITION			
		CUCURBITACEAE	A
		BT PLANTS	
CRUSHING	F	NT BENINCASA	
BT MILLING		CITRULLUS	
RT HYDRAULIC PRESSES		COCCINIA	
		CUCUMIS	
		CUCURBITA	
CRUSTACEA	D	LAGENARIA	
BT ARTHROPODS		LUFFA	
		MOMORDICA	
		TRICHOSANTHES	

CULTIVARS

UF Cultivated varieties
 BT VARIETIES
 NT AVRDC CULTIVARS
 CHINESE CABBAGE CULTIVARS
 MUNGBEAN CULTIVARS
 SOYBEAN CULTIVARS
 SWEET POTATO CULTIVARS
 TOMATO CULTIVARS
 RT LANDRACES
 PURE LINES

Cultivated varieties
 USE CULTIVARS

CULTIVATION

UF Crop husbandry
 Cultural practices
 NT CLIMATIC REQUIREMENTS
 CROPPING SYSTEMS
 DISBUDDING
 FERTILIZER APPLICATION
 FORCING
 HARDENING
 HILLING
 HOEING
 HOTBED RAISING
 LEAF-TYING
 LIMING
 MULCHING
 PLANTING
 PROTECTED CULTIVATION
 PRUNING
 RIDGING
 ROW ORIENTATION
 ROW WIDTH
 SEEDBED PREPARATION
 SEEDLING CULTURE
 SHADING
 SOIL REQUIREMENTS
 SPACING
 THINNING
 TILLAGE
 TRELLISING
 RT CULTIVATION EQUIPMENT
 IRRIGATION
 PLANT PRODUCTION
 PLANT PROPAGATION
 PLANT PROTECTION

A

CULTIVATION EQUIPMENT

UF Tillage equipment
 BT PRODUCTION EQUIPMENT
 NT HARROWS
 HOES
 PLANTING EQUIPMENT
 PLOUGHS
 RT CULTIVATION

Cultivation systems
 USE CROPPING SYSTEMS

CULTURAL CONTROL

SN Control of pests or
 diseases through
 cultivation techniques or
 changed cropping patterns
 BT CONTROL METHODS

Cultural practices
 USE CULTIVATION

Culture media
 USE GROWING MEDIA

CUMINUM

BT UMBELLIFERAE

CURCULIO

BT COLEOPTERA

Curd grafting
 USE GRAFTING

CURVULARIA

BT FUNGI

CUTICLE

BT PLANT TISSUES

CUTTING

BT HARVESTING

CUTTINGS

BT PROPAGATION MATERIALS

E

F

F

A

F

F

F

F

C

Cutworms
USE LEPIDOPTERA

CYCLAS
BT COLEOPTERA

CYCLONES
UF Hurricanes
Tornados
Typhoons
BT STORMS

CYLINDROCEPHALUM
BT FUNGI

CYLINDROCLADIUM
BT FUNGI
RT CALONECTRIA

CYNTHIA
BT LEPIDOPTERA

CYPERACEAE
BT PLANTS
NT CYPERUS

CYPERUS
BT CYPERACEAE

CYSTEINE
BT AMINO ACIDS

CYSTINE
BT AMINO ACIDS

CYTIDINE
BT NUCLEOSIDES

CYTOGENETICS
BT GENETICS
RT CYTOLOGY

CYTOKININS
UF Phytokinins
BT PLANT GROWTH SUBSTANCES
NT ADENINE
RA
KINETIN
RT ANTIMETABOLITES

CYTOLOGY
BT BIOLOGY
RT CELL MEMBRANE PHYSIOLOGY
CELL STRUCTURE
CELLS
CYTOGENETICS

CYTOPLASM
BT PROTOPLASM
RT NUCLEOPLASM

CYTOPLASMIC INHERITANCE
BT INHERITANCE

CYTOPLASMIC MALE STERILITY
BT MALE STERILITY
RT CYTOSTERILITY BACKCROSSES
HYBRID PRODUCTION

CYTOPLASMIC ORGANELLES
BT CELL STRUCTURE
NT ENDOPLASMIC RETICULUM
GOLGI APPARATUS
MITOCHONDRIA
PLASTIDS
VACUOLES

CYTOSINE
BT PYRIMIDINE BASES

CYTOSTERILITY BACKCROSSES
BT BACKCROSSING
RT CYTOPLASMIC MALE STERILITY

DACTULIOPHORA
RT FUNGI
PT LEAF SPOTS

DACTYNOTUS BT APHIDS	D	Daylenoth USE PHOTOPERIOD	
DALBULUS BT HOMOPTERA	D	DAYLIGHT UF Natural light BT LIGHT	
DAMPING-OFF BT FUNGAL DISEASES RT PYTHIUM RHIZOCTONIA	D	DECTES BT COLEOPTERA	
Dark period USE PHOTOPERIOD		Deficiency diseases USE DEFICIENCY DISORDERS	
DARK REACTIONS BT PHOTOSYNTHESIS	B	DEFICIENCY DISORDERS UF Deficiency diseases BT NUTRITIONAL DISORDERS NT TIPBURN RT DEHYDRATION NUTRIENT AVAILABILITY NUTRIENT REQUIREMENTS	
DARK RESPIRATION BT RESPIRATION	B		
DARKNESS BT LIGHT	B	DEFOLIANTS BT AGRICULTURAL CHEMICALS	
DATA COLLECTION BT RESEARCH NT SURVEYS RT STATISTICS	H	DEHISCENCE BT PLANT DEVELOPMENTAL STAGES RT SEED DISPERSAL SEEDS	
DATURA BT SOLANACEAE NT DATURA STRAMONIUM	A	DEHYDRATION SN Physiological dehydration; for water removal use DRYING BT PHYSIOLOGICAL DISORDERS RT DEFICIENCY DISORDERS WILTING	
DATURA STRAMONIUM BT DATURA INDICATOR HOST PLANTS	AD		
DAUCUS BT UMBELLIFERAE NT DAUCUS CAROTA	A	DELAYED POLLINATION BT POLLINATION	
DAUCUS CAROTA BT DAUCUS RT CARPOTS	A	DELIA BT ANTHOMYIIDAE	
		Delivery (products or supplies) USE DISTRIBUTION	

DEMAND		Development (embryonic)	
UF Demand functions		USE EMBRYONIC DEVELOPMENT	
BT MARKETING			
RT CONSUMPTION		DEVELOPMENT AID	G
MACROECONOMICS		UF Aid (development)	
		Development assistance	
Demand functions		BT DEVELOPMENT	
USE DEMAND			
		Development assistance	
		USE DEVELOPMENT AID	
DENATURATION	F		
BT PROCESSING		DEVELOPMENT COSTS	G
		BT COSTS	
DEODORIZING	F	RT DEVELOPMENT	
BT PROCESSING			
Deoxyribonucleic acid		DEVELOPMENT POLICIES	G
USE DNA		BT POLICIES	
		RT AGRICULTURAL POLICIES	
		DEVELOPMENT	
DESSICATORS	E	TRADE POLICIES	
BT AGRICULTURAL CHEMICALS			
NT ANHYDROUS CALCIUM CHLORIDE		DEVELOPMENTAL STAGES	G
		UF Growth stages	
DETERMINATE GROWTH	B	NT ANIMAL DEVELOPMENTAL	
BT GROWTH		STAGES	
		PLANT DEVELOPMENTAL STAGES	
Determination of species		RT BIOLOGICAL DEVELOPMENT	
USE IDENTIFICATION			
		Dhal	
DEVELOPING COUNTRIES	I	USE CAJAN	
UF LDC's			
Less developed countries		DIABROTICA	G
RT DEVELOPMENT		BT COLEOPTERA	
DEVELOPMENT	G	DIACRISIA	G
UF Economic development		BT LEPIDOPTERA	
NT AGRICULTURAL DEVELOPMENT			
DEVELOPMENT AID		DIAGNOSIS	G
INDUSTRIAL DEVELOPMENT		UF Disease recognition	
RESOURCE DEVELOPMENT		RT SYMPTOMS	
RURAL DEVELOPMENT			
RT BASIC NEEDS		Diamond-back moth	
CONSTRAINTS		USE PLUTELLA XYLOSTELLA	
DEVELOPING COUNTRIES			
DEVELOPMENT COSTS		DIAPHORINA	G
DEVELOPMENT POLICIES		BT HOMOPTERA	
LIVING STANDARDS			
TECHNOLOGY			

DIAPORTHE	D	DIOSCOREA	I
BT FUNGI		BT DIOSCOREACEAE	
RT PHOMOPSIS		RT YAMS	
POD AND STEM BLIGHT			
STEM CANKER			
DICALCIUM PHOSPHATE	BE	DIOSCOREACEAE	A
BT PHOSPHATE FERTILIZERS		BT PLANTS	
		NT DIOSCOREA	
Dichlorophenoxyacetic acid		DIPLODIA	D
USE 2,4-D		BT FUNGI	
DICTYOPTERA	D	DIPLOIDS	F
BT INSECTS		BT CHROMOSOME NUMBER	
DIDYMELLA	D	DIPTERA	I
BT FUNGI		UF Flies (true)	
		BT INSECTS	
Differences (among cultivars or		NT AGROMYZIDAE	
varieties)		ANTHOMYIIDAE	
USE VARIETAL COMPARISONS		CALLIPHORIDAE	
		CECIDOMYIIDAE	
		MUSCIDAE	
		TEPHRITIDAE	
DIFFERENTIATION	R		
BT BIOLOGICAL DEVELOPMENT		DIRECT MARKETING	G
RT EMBRYONIC DEVELOPMENT		BT MARKETING	
PLANT ANATOMY			
DIGESTIBILITY	F	Direct seeding	
BT NUTRITIVE VALUE		USE DIRECT SOWING	
NT FLATULENCE			
DIGITARIA	A	DIRECT SOWING	I
BT GRAMINEAE		SN In situ planting of seed	
		so that no transplanting	
		is required	
		UF Direct seeding	
DIMENSIONS	B	In situ planting	
UF Size		BT SOWING	
BT CHEMICOPHYSICAL PROPERTIES			
Dimethylaminosuccinamic acid		DISBUDDING	F
USE SADH		SN Removal of growing points	
		to encourage development	
		in other parts of the	
		plant	
Dinitro-o-cresol		UF Pinching	
USE DNOC		Stopping	
		BT CULTIVATION	

DISEASE CONTROL BT CONTROL OF INJURIOUS FACTORS	D	DISRUPTIVE SEASONAL SELECTION BT SELECTION	C
DISEASE PREVENTION BT PLANT PROTECTION NT QUARANTINE	D	DISTILLING RT PROCESSING	F
Disease recognition USE DIAGNOSIS		DISTRIBUTION UF Delivery (products or supplies) RT MARKETING TRANSPORT	G
DISEASE RESISTANCE BT RESISTANCE TO INJURIOUS FACTORS	CD	DITYLENCHUS BT NEMATODES	H
Disease symptoms (plant) USE SYMPTOMS		DJIBOUTI BT AFRICA	I
DISEASE TRANSMISSION BT EPIDEMIOLOGY NT VECTORS	D	DNA UF Deoxyribonucleic acid BT NUCLEIC ACIDS RT CHROMOSOMES RNA	J
DISEASES UF Plant diseases BT INJURIOUS FACTORS NT BACTERIAL DISEASES DISEASES OF UNCERTAIN ETIOLOGY FUNGAL DISEASES MYCOPLASMA-LIKE DISEASES RICKETTSIAL DISEASES VIRAL DISEASES RT DISORDERS SYMPTOMS	D	DNC USE DNOC	
DISEASES OF UNCERTAIN ETIOLOGY BT DISEASES	D	DNOC UF Dinitro-o-cresol DNC Methyl dinitrophenol BT ANTIMETABOLITES AROMATICS	K
DISINFECTANTS BT AGRICULTURAL CHEMICALS	E	DOCUMENTATION BT INFORMATION SCIENCE NT GERMLASM DOCUMENTATION	L
DISORDERS BT INJURIOUS FACTORS NT GENETIC DISORDERS NUTRITIONAL DISORDERS PHYSIOLOGICAL DISORDERS RT DISEASES	D	Dolichos angularis USE VIGNA ANGULARIS	
		Dolichos biflorus USE VIGNA UNGUICULATA BIFLORA	
		Dolichos catjang USE VIGNA UNGUICULATA BIFLORA	

Dolichos dissectus
USE VIGNA ACONITIFOLIA

Dolichos sesquipedalis
USE VIGNA UNGUICULATA
SESQUIPEDALIS

Dolichos umbellatus
USE VIGNA UMBELLATA

Dolichos unguiculata
USE VIGNA UNGUICULATA

DOMESTIC ANIMALS
BT ANIMALS
NT LIVESTOCK
POULTRY
RT ANIMAL PRODUCTION

Domestic gardens
USE HOME GARDENS

DOMESTIC TRADE
BT TRADE
RT INTERNATIONAL TRADE

DOMESTICATION
RT HISTORY

DOMINANT GENES
BT GENES

DOMINICAN REPUBLIC
BT CARIBBEAN

DORMANCY
BT PLANT DEVELOPMENTAL STAGES
RT DORMANCY BREAKERS
GERMINABILITY
HARD SEEDEDNESS
RESTING

DORMANCY BREAKERS
BT PLANT GROWTH SUBSTANCES
RT DORMANCY
GERMINATION

DOUBLE CROSSES
BT CROSSBREEDING

DOWNY MILDEWS
BT MILDEWS
PT PERONOSPORA

Draft equipment
USE DRAUGHT EQUIPMENT

DRAINAGE
BT SOIL MANAGEMENT
RT WATER MANAGEMENT

DRAUGHT EQUIPMENT
UF Draft equipment
BT PRODUCTION EQUIPMENT

DRECHSLEPA
BT FUNGI
PT BLIGHTS

DRENCHING
BT APPLICATION METHODS

DRIED PRODUCTS
BT PRODUCT GROUPS
RT DRYING

Driers
USE DRYING EQUIPMENT

DRILLS
UF Grain drills
Seed drills
BT PLANTERS

Drip irrigation
USE TRICKLE IRRIGATION

DROUGHT
BT NATURAL DISASTERS
RT DRY SEASON
ENVIRONMENTAL EFFECTS

DROUGHT TOLERANCE	CD	DWARFS	C
BT RESISTANCE TO INJURIOUS FACTORS		BT PLANT TYPES	
		RT PLANT HABIT	
DRUGS	D	DYSMICOCUS	D
NT ANTIMICROBIALS		BT HOMOPTERA	
RT AGRICULTURAL CHEMICALS			
		Earliness	
		USE EARLY MATURATION	
DRY FARMING	E		
BT CROPPING SYSTEMS			
		EARLY MATURATION	EC
		UF Earliness	
DRY MATTER	F	BT BREEDING AIMS	
BT COMPOSITION		MATURATION	
		RT FORCING	
DRY SEASON	E		
BT SEASONS		EARTHWORMS	
RT DROUGHT		BT ANNELIDA	
DRY STORAGE	F	EATING QUALITY	CI
BT STORAGE		BT BREEDING AIMS	
		QUALITY	
Dryers		RT PALATABILITY	
USE DRYING EQUIPMENT			
DRYING	F	ECHINOCHLOA	A
UF Grain drying		BT GRAMINEAE	
BT PROCESSING			
RT DRIED PRODUCTS		ECOLOGY	F
DRYING EQUIPMENT		SN The study of the	
		interrelationships	
DRYING EQUIPMENT	H	between living organisms	
UF Driers		and their environment	
Driers		NT ANIMAL ECOLOGY	
BT PROCESSING EQUIPMENT		PLANT ECOLOGY	
RT DRYING		RT BIOGEOGRAPHY	
		BIOLOGY	
Dung		ENVIRONMENT	
USE ANIMAL MANURES		SYMBIOSIS	
DUSTING	D	ECONOMETRIC MODELS	C
BT APPLICATION METHODS		BT ECONOMETRICS	
Dutch Guyana		ECONOMETRICS	C
USE SURINAM		BT ECONOMICS	
		NT ECONOMETRIC MODELS	
		PT STATISTICS	

Economic analysis
USE ECONOMICS

Economic development
USE DEVELOPMENT

ECONOMICS

UF Economic analysis
NT COST BENEFIT ANALYSIS
ECONOMETRICS
MACROECONOMICS
MICROECONOMICS

ECONOMIES OF SCALE

RT PRODUCTION COSTS
PRODUCTION ECONOMICS
PRODUCTIVITY

ECUADOR

BT SOUTH AMERICA

EDAPHIC FACTORS

SN Relating to soil
influences on the growth
of plants
BT PLANT ECOLOGY
RT RHIZOSPHERE

EDIBLE FUNGI

UF Fungi (edible)
Mushrooms (edible)
BT FUNGI
VEGETABLE CROPS
NT AGARICUS
VOLVARIELLA

EDIBLE OILS

BT OIL PRODUCTS
NT SALAD OILS
RT VEGETABLE OILS

EDUCATION

NT TRAINING
RT EXTENSION ACTIVITIES

Eelworms

USE NEMATODES

EGGPLANT

BT FRUIT VEGETABLES
RT SOLANUM MELONGERA

EGYPT

BT AFRICA

Egyptian pea

USE CHICKPEAS

EL SALVADOR

BT CENTRAL AMERICA

ELASMOPALPUS

BT LEPIDOPTERA

ELECTRICITY

BT ENERGY SOURCES

ELECTRIFICATION

BT RURAL DEVELOPMENT

ELEMENTS

NT ALUMINIUM
 BORON
 BROMINE
 CALCIUM
 CARBON
 CHLORINE
 COBALT
 COPPER
 FLUORINE
 HYDROGEN
 IODINE
 IRON
 MAGNESIUM
 MANGANESE
 MERCURY
 MOLYBDENUM
 NICKEL
 NITROGEN
 OXYGEN
 PHOSPHORUS
 POTASSIUM
 SILICON
 SODIUM
 SULPHUR
 TRACE ELEMENTS
 ZINC
 RT MINERALS
 NUTRIENT CONTENT

ELEUSINE

BT GRAMINEAE

ELSINOE

BT FUNGI

EMBRYO

BT SEEDS
 NT COTYLEDONS
 PLACENTA
 PLUMULE
 RADICLE

EMBRYO CULTURE

BT TISSUE CULTURE

Embryology

USE EMBRYONIC DEVELOPMENT

B

EMBRYONIC DEVELOPMENT

UF Development (embryonic)
 Embryology
 RT BIOLOGICAL DEVELOPMENT
 NT MORPHOGENESIS
 RT DIFFERENTIATION

EMERGENCE

BT PLANT DEVELOPMENTAL STAGES
 RT GERMINATION
 SEEDLINGS

EMPLOYMENT

UF Unemployment
 RT LABOUR
 MACROECONOMICS

EMPOASCA

BT HOMOPTERA

ENDOPLASMIC RETICULUM

UF ER
 RT CYTOPLASMIC ORGANELLES
 RT GOLGI APPARATUS

ENDOSPERM

BT SEEDS

ENERGY

NT ENERGY SOURCES

ENERGY CONSERVATION

BT CONSERVATION
 RT ENERGY SOURCES

ENERGY SOURCES

BT ENERGY
 NATURAL RESOURCES
 NT ANIMAL POWER
 ELECTRICITY
 FUELS
 WATER POWER
 WIND POWER
 RT ENERGY CONSERVATION

A

D

B

C

ENGINEERING	H	ENVIRONMENTAL EFFECTS	D
NT AGRICULTURAL ENGINEERING		SA Injurious effects of environmental factors on TVIS crops	
RT EQUIPMENT TECHNOLOGY		BT INJURIOUS FACTORS	
England		NT FROST DAMAGE	
USE GREAT BRITAIN		WIND DAMAGE	
		RT DROUGHT	
ENTEROBACTERIACEAE	D	ENVIRONMENT	
BT BACTERIA		FLOODING	
NT ERWINIA			
ENTOMOGENOUS FUNGI	D	ENVIRONMENTAL TEMPERATURE	F
BT BIOLOGICAL CONTROL ORGANISMS		BT ENVIRONMENTAL CONDITIONS	
FUNGI		RT TEMPERATURE RESISTANCE	
ENTOMOLOGY	B	ENZYME PRECURSORS	F
BT ZOOLOGY		BT ENZYMES	
ENVIRONMENT	E	ENZYMES	F
NT ENVIRONMENTAL CONDITIONS		BT ORGANIC COMPOUNDS	
RT ALTITUDE		NT COENZYMES	
ECOLOGY		ENZYME PRECURSORS	
ENVIRONMENTAL EFFECTS		HYDROLASES	
		TRANSFERASES	
ENVIRONMENTAL CONDITIONS	E	EPHESTIA	D
BT ENVIRONMENT		BT LEPIDOPTERA	
NT CLIMATE		EPICAUTA	D
ENVIRONMENTAL TEMPERATURE		BT COLEOPTERA	
HUMIDITY		EPICOCCUM	D
RT ENVIRONMENTAL CONTROL		BT FUNGI	
LIGHT			
ENVIRONMENTAL CONTROL	E	EPIDEMICS	D
NT COOLING		BT EPIDEMIOLOGY	
HEATING			
LIGHTING		EPIDEMIOLOGY	D
RT CLIMATIC REQUIREMENTS		UF Epiphytology	
CONTROL OF INJURIOUS FACTORS		NT DISEASE TRANSMISSION	
ENVIRONMENTAL CONDITIONS		EPIDEMICS	
PROTECTED CULTIVATION			
		EPIDERMIS	F
		BT PLANT TISSUES	

EPILACHNA
 BT COLEOPTERA
 NT EPILACHNA VARIVESTIS

D

EPILACHNA VARIVESTIS
 UF Mexican bean beetle
 BT EPILACHNA

D

EPIPHYTES
 RT PARASITES

D

Epiphytology
 USE EPIDEMIOLOGY

EQUATORIAL GUINEA
 BT AFRICA

I

EQUIPMENT
 UF Implements
 NT CONTAINERS
 HARVESTING EQUIPMENT
 MACHINERY
 PROCESSING EQUIPMENT
 PRODUCTION EQUIPMENT
 RESEARCH EQUIPMENT
 STORAGE EQUIPMENT
 TRANSPORTATION EQUIPMENT
 RT ENGINEERING
 METHODS
 TECHNOLOGY

H

ER
 USE ENDOPLASMIC RETICULUM

ERAGROSTIS
 BT GRAMINEAE

A

ERECT TYPE
 BT PLANT TYPES

C

ERECTNESS
 BT PLANT HABIT

B

EROSION
 BT INJURIOUS FACTORS
 NT WATER EROSION
 WIND EROSION
 RT SOIL CONSERVATION
 SOIL DETERIORATION

I

ERWINIA
 BT ENTEROBACTERIACEAE
 RT BACTERIAL SOFTROT

P

ERYSIPHE
 BT FUNGI
 RT POWDERY MILDEWS

E

ESTIGMENE
 BT LEPIDOPTERA

P

ETHEPHON
 BT PLANT GROWTH SUBSTANCES
 RT ETHYLENE

P

ETHIOPIA
 BT AFRICA

I

ETHIOPIAN MUSTARD
 UF Abyssinian mustard
 Mustard (Abyssinian or
 Ethiopian)
 BT GREEN VEGETABLES
 RT BRASSICA CAPINATA

E

ETHYLENE
 BT PLANT GROWTH SUBSTANCES
 RT ETHEPHON
 MATURATION

P

ETIELLA ZINCKENELLA
 UF Lima-bean pod borer
 BT LEPIDOPTERA

I

ETIOLOGY
 UF Aetiology
 NT PATHOGENS

P

EUPHORBIACEAE	A	EVOLUTION	L
BT PLANTS		NT CENTRES OF DIVERSITY	
NT MANIHOT		CENTRES OF ORIGIN	
		NATURAL SELECTION	
		PHYLOGENY	
EUROPE	I	RT BIOLOGICAL DEVELOPMENT	
NT AUSTRIA		BIOLOGY	
BELGIUM		HISTORY	
FRANCE		INHERITANCE	
GREECE			
ITALY		Excess supply	
NETHERLANDS		USE SURPLUSES	
SCANDINAVIA			
SPAIN			
TURKEY		EXCRETION	F
UNITED KINGDOM		BT PHYSIOLOGY	
USSR			
European potato		EXPORTS	C
USE POTATOES		BT INTERNATIONAL TRADE	
		RT TRADE BALANCE	
EURYOPHYTES	D	EXTENSION ACTIVITIES	C
BT ACARINA		NT OUTREACH PROGRAMMES	
		RT EDUCATION	
EUSCEPES	D	EXTRACTION	F
BT COLEOPTERA		UF Solvent extraction	
		BT PROCESSING	
EUSCHISTUS	D		
BT HETEROPTERA			
EUTETTIX	D	F1 HYBRID PRODUCTION	C
BT HOMOPTERA		BT HYBRID PRODUCTION	
EVALUATION	E	F1 HYBRIDS	C
NT FERTILIZER EVALUATION		BT HYBRIDS	
FIELD TRIALS			
GERMPLASM EVALUATION		FABA BEANS	F
PESTICIDE SCREENING		UF Bean (broad)	
PROGENY TESTING		Bean (faba or fava)	
RESISTANCE SCREENING		Bean (tick)	
SEED TESTING		Broad bean	
SOIL TESTING		Fava bean	
YIELD TRIALS		Tick bean	
Evapotranspiration		BT VEGETABLE LEGUMES	
USE TRANSPIRATION		RT VICIA FABA	
		Faboideae	
		USE LEGUMINOSAE	

Fall armyworm
USE SPODOPTERA LITURA

FALLOW LAND
UF Fallows
BT LAND

FALLOW SYSTEMS
UF Fallowing
BT CROPPING SYSTEMS

Fallowing
USE FALLOW SYSTEMS

Fallows
USE FALLOW LAND

FAO
SN Food and Agriculture
Organization of the
United Nations
BT UNITED NATIONS

Farm buildings
USE BUILDINGS

FARM CONDITIONS
BT CONDITIONS

FARM INCOME
BT INCOME

FARM MANAGEMENT
BT BUSINESS MANAGEMENT

FARM SIZE
BT FARMS

FARMERS
BT OCCUPATIONS

Farming
USE FARMING SYSTEMS

FARMING SYSTEMS
UF Farming
NT COLLECTIVE FARMING
CONTRACT FARMING
MIXED FARMING
PART-TIME FARMING
SMALL SCALE FARMING
SUBSISTENCE FARMING
TRADITIONAL FARMING
RT CROPPING SYSTEMS
FARMS

FARMS
NT FARM SIZE
RT BUSINESS ORGANIZATIONS
FARMING SYSTEMS

Farmyard manure
USE ANIMAL MANURES

FATS
NT VEGETABLE FATS
RT FATTY ACIDS
LIPIDS
NUTRIENT CONTENT

FATTY ACIDS
BT ORGANIC ACIDS
NT FREE FATTY ACIDS
SATURATED FATTY ACIDS
UNSATURATED FATTY ACIDS
RT FATS
LIPIDS

Fava bean
USE FABA BEANS

FEED CROPS
UF Fodder crops
BT CROPS
NT FEED CRUCIFERS
FEED LEGUMES

FEED CRUCIFERS
BT FEED CROPS
NT KALES
RAPE
WHITE MUSTARD

FEED LEGUMES	E	FERTILIZERS	F
BT FEED CROPS		BT AGRICULTURAL CHEMICALS	
LEGUMES		NT LIQUID FERTILIZERS	
		MANURES	
FERMENTATION	F	MICRONUTRIENT FERTILIZERS	
BT PROCESSING		NITROGEN FERTILIZERS	
RT FERMENTED PRODUCTS		PHOSPHATE FERTILIZERS	
		POTASH FERTILIZERS	
FERMENTED PRODUCTS	F	RESIDUAL FERTILIZER	
BT PRODUCT GROUPS		SLOW-RELEASE FERTILIZERS	
NT HAMANATTO		RT FERTILIZER APPLICATION	
KIMCHI		SOIL AMENDMENTS	
MISO		SOIL FERTILITY	
NATTO			
SOY CHEESES		FFTC	G
SUFU		UF Food and Fertilizer	
TEMPEH		Technology Center	
RT FERMENTATION		(Taiwan)	
		BT AGRICULTURAL RESEARCH	
		CENTRES	
FERRISIA	D	Fibre (crude)	
BT HOMOPTERA		USE CRUDE FIBRE	
		Field bean	
FERTILITY	B	USE KIDNEY BEANS	
BT REPRODUCTION			
RT STERILITY		FIELD CONDITIONS	G
		BT CONDITIONS	
FERTILIZATION	B		
SN Union of gametes to		FIELD TRIALS	F
produce zygote		BT EVALUATION	
BT REPRODUCTION		RT YIELD TRIALS	
NT SELF FERTILIZATION			
RT GAMETES		FIJI	J
POLLINATION		BT OCEANIA	
ZYGOTES			
FERTILIZER APPLICATION	E	Filaments	
UF Manuring		USE STAMENS	
BT CULTIVATION		Firms	
NT PLACEMENT		USE BUSINESS ORGANIZATIONS	
RT APPLICATION METHODS			
CHEMICAL APPLICATION		FISH	F
FERTILIZERS		BT FOODS	
FERTILIZER EVALUATION	E		
BT EVALUATION		FLATULENCE	F
		BT DIGESTIBILITY	

Flavor
USE FLAVOUR

Flower abortion
USE ABSCISSION

FLAVOUR
UF Flavor
Taste
BT ORGANOLEPTIC PROPERTIES

B

FLOWER INDUCTION
UF Floral initiation
Induced flowering
BT FLOWERING
NT BOLTING
FLORIGENS
PHOTOPERIODISM
THERMAL PERIODICITY
VERNALIZATION

B

Fleas
USE SIPHONAPTERA

Flies (Agromyzid)
USE AGPOMYZIDAE

Flies (true)
USE DIPTERA

FLOWERING
UF Anthesis
BT PLANT DEVELOPMENTAL STAGES
NT FLOWER INDUCTION
RT FLOWERS
FRUITING

B

FLOOD CONTROL
BT CONTROL OF INJURIOUS
FACTORS
WATER MANAGEMENT

D

Flooded furrow system
USE FURROW IRRIGATION

FLOWERS
BT INFLORESCENCES
NT ANDROECIUM
CALYX
COROLLA
GYNOECIUM
RT FLOWERING

B

FLOODING
UF Floods
BT NATURAL DISASTERS
RT ENVIRONMENTAL EFFECTS

D

FLUORINE
BT ELEMENTS

B

FLOODING TOLERANCE
BT RESISTANCE TO INJURIOUS
FACTORS

CD

Fodder crops
USE FEED CROPS

Floods
USE FLOODING

FOLIC ACID
BT B VITAMINS

B

Floral initiation
USE FLOWER INDUCTION

FOOD ADDITIVES
BT ADDITIVES

B

FLORETS
BT SPIKELETS

B

**Food and Fertilizer Technology
Center (Taiwan)**
USE FFTC

FLORIGENS
SN Chemicals that stimulate
flowering
BT FLOWER INDUCTION

B

Food composition
USE COMPOSITION

FOOD CROPS	E	FREEZING	F
BT CROPS		BT PROCESSING	
RT FOODS		RT FROZEN PRODUCTS	
FOOD INSPECTION	G	FRENCH GUIANA	I
BT PUBLIC HEALTH		BT SOUTH AMERICA	
Food quality		FRESH PRODUCTS	F
USE QUALITY		BT PRODUCT GROUPS	
FOOD TABOOS	G	FROGEYE LEAF SPOT	I
BT RELIGIOUS ASPECTS		BT FUNGAL DISEASES	
		LEAF SPOTS	
FOODS	F	RT CERCOSPORA SOJINA	
NT BEVERAGES		Froghoppers	
FISH		USE HOMOPTERA	
FRUITS			
MEAT		FROST DAMAGE	I
MEAT SUBSTITUTES		BT ENVIRONMENTAL EFFECTS	
VEGETABLES			
RT FOOD CROPS			
PRODUCTS			
FORCING	E	FROZEN PRODUCTS	F
SN Causing plants to develop		BT PRODUCT GROUPS	
more rapidly than by		RT FREEZING	
normal growth			
BT CULTIVATION		FRUCTOSE	I
RT EARLY MATURATION		BT SUGARS	
FOREIGN INVESTMENT	G	FRUIT	F
BT INVESTMENT		SN Fruit botanically; for	
Four-angled bean		fruit economically see	
USE WINGED BEANS		FRUITS and FRUIT	
		VEGETABLES	
FRANCE	I	BT PLANT ANATOMY	
BT EUROPE		NT PODS	
		PT FRUITING	
		SEEDS	
FRANKLINIELLA	D	Fruit development	
BT THYSANOPTERA		USE FRUITING	
FREE FATTY ACIDS	B	Fruit flies	
BT FATTY ACIDS		USE TEPHRITIDAE	

FRUIT SETTING	B	FUNGAL DISEASES	
UF Pod setting		UF Mycoses	
Seed setting		BT DISEASES	
Setting (fruit or seed)		NT ANTHRACNOSES	
BT FRUITING		BROWN SPOT	
		CANKERS	
FRUIT VEGETABLES	E	CERCOSPORA LEAF SPOT	
BT VEGETABLE CROPS		CLUBROOT	
NT CUCURBIT VEGETABLES		DAMPING-OFF	
EGGPLANT		FROGEYE LEAF SPOT	
OKRA		MILDEWS	
TOMATOES		MOULDS	
		POD AND STEM BLIGHT	
		PURPLE SEED STAIN	
FRUITING	B	RUSTS	
UF Fruit development		SCABS	
BT PLANT DEVELOPMENTAL STAGES		SMUTS	
NT FRUIT SETTING		TARGET SPOT	
RT FLOWERING		YEAST SPOT	
FRUIT		BT BLIGHTS	
		FUNGI	
		ROTS	
		SPOTS	
FRUITS	F		
BT FOODS			
FRYING	F		
BT COOKING			
FUELS	CE		
BT ENERGY SOURCES			
NT FUELWOOD			
METHANE			
FUELWOOD	CE		
BT FUELS			
FUMIGATION	D		
BT APPLICATION METHODS			
RT SOIL FUMIGANTS			

FUNGI

NT

ABSIDIA
 ACAULOSPORA
 ACREMONIUM
 ALBUGO
 ALTERNARIA
 APHANOMYCES
 ASCOCHYTA
 ASPERGILLUS
 BOTRYTIS
 CALONECTRIA
 CERATOCYSTIS
 CERCOSPORA
 CHAETOMIUM
 CHAETOSEPTORIA
 CHOANEPHORA
 CLADOSPORIUM
 COLLETOTRICHUM
 CONIOTHYRIUM
 CORTICIUM
 CORYNESPORA
 CRONARTIUM
 CURVULARIA
 CYLINDROCEPHALUM
 CYLINDROCLADIUM
 DACTULIOPHORA
 DIAPORTHE
 DIDYMELLA
 DIPLODIA
 DRECHSLERA
 EDIBLE FUNGI
 ELSINOE
 ENTOMOGENOUS FUNGI
 EPICOCCUM
 ERYSIPHE
 FUSARIUM
 GIGASPORA
 GLIOCLADIUM
 GLOMERELLA
 GLOMUS
 GUIGNARDIA
 HELICOBASIDIUM
 HELMINTHOSPORIUM
 ISARIOPSIS
 LEPTOSPHAERULINA
 MACROPHOMA
 MACROPHOMINA
 MICROSPHAERA
 MONILIA
 MONILOCHAETES
 MYCOLEPTODISCUS
 MYCORRHIZAL FUNGI
 MYCOSPHAERELLA
 MYROTHECIUM
 NEMATOSPORA

D

NEOCOSMOSPOFA
 NIGROSPORA
 OIDIUM
 OPHIONECTRIA
 PAECILOMYCES
 PENICILLIUM
 PERONOSPOFA
 PESTALOTIA
 PHAKOPSORA
 PHIALOPHORA
 PHOMA
 PHOMOPSIS
 PHYLLOSTICTA
 PHYTOPHTHORA
 PLASMODIOPHORA
 PLENODOMUS
 PLEOSPHAERULINA
 PYRENOCHAETA
 PYTHIUM
 RHIZOCTONIA
 RHIZOPUS
 ROSELLINIA
 SCLEROCYSTIS
 SCLEROTINIA
 SCLEROTIUM
 SEPTOGLOEUM
 SEPTORIA
 SPHACELOMA
 STEMPHYLIUM
 SYNCHYTRIUM
 THANATEPHORUS
 THIELAVIOPSIS
 TRICHOTHECIUM
 TROTTERIA
 TUBERCULINA
 UNCINULA
 VERTICILLIUM

RT FUNGAL DISEASES
 MICROORGANISMS
 MYCORRHIZAE
 PLANTS
 SPORES

Fungi (edible)
 USE EDIBLE FUNGI

FUNGICIDES
 BT PESTICIDES

FURROW IRRIGATION
 UF Flooded furrow system
 ET IRRIGATION SYSTEMS

FUSARIUM	D	GARDENS	F
BT FUNGI		NT HOME GARDENS	
RT ROOT POTS		MARKET GARDENS	
		SCHOOL GARDENS	
FUTURES MARKETS	G	RT GARDEN PROGRAM	
BT MARKETS		HORTICULTURE	
GA	B	GARLIC	F
UF Gibberellic acid		BT BULBOUS VEGETABLES	
Gibberellins		NT CHINESE GARLIC	
BT PLANT GROWTH SUBSTANCES		RT ALLIUM	
		Garlic (Chinese)	
		USE CHINESE GARLIC	
GABON	I		
BT AFRICA			
GALACTOSE	B	GASES	H
BT SUGARS		BT PHYSICAL STATES	
		NT AIR	
		OZONE	
GALACTOSIDASES	B	GENE BANKS	C
BT HYDROLASES		UF Genetic resources	
Gall midges		laboratory	
USE CECIDOMYIIDAE		Germplasm banks	
		BT GERMPLASM COLLECTIONS	
GAMBIA	I	GENE POOLS	C
BT AFRICA		BT GENETIC RESOURCES	
GAMETES	B	GENERAL COMBINING ABILITY	C
BT REPRODUCTION		BT COMBINING ABILITY	
RT FERTILIZATION			
OVULES			
POLLEN		GENES	C
ZYGOTES		BT GENETICS	
		NT ALLELES	
GAMMA RADIATION	B	DOMINANT GENES	
BT RADIATIONS		LETHAL GENES	
		RECESSIVE GENES	
		RT CHROMOSOME MANIPULATION	
GARDEN PROGRAM	E	CHROMOSOMES	
SN AVRDC Garden Program		GENOTYPES	
RT GARDENS		GERMPLASM	
		INHERITANCE	
		GENETIC CONTROL	D
		BT CONTROL METHODS	

GENETIC DISORDERS	D	GERMINABILITY	F
BT DISORDERS		BT GERMINATION	
RT GENETICS		RT DORMANCY	
MUTATION		SEED TESTING	
GENETIC EROSION	C	GERMINATION	H
SN Loss of genetic variability especially in terms of the richness of species in particular areas		BT PLANT DEVELOPMENTAL STAGES	
RT CONSERVATION GENETICS		NT GERMINABILITY	
		POLLEN GERMINATION	
		RT DORMANCY BREAKERS	
		EMERGENCE	
		GERMINATION INHIBITORS	
		SCARIFICATION	
GENETIC RESOURCES	C	GERMINATION INHIBITORS	F
BT NATURAL RESOURCES		BT PLANT GROWTH SUBSTANCES	
NT GENE POOLS		RT GERMINATION	
GERMPLASM COLLECTIONS		GROWTH INHIBITORS	
RT BIOGEOGRAPHY			
GERMPLASM CONSERVATION			
Genetic resources laboratory		GERMPLASM	C
USE GENE BANKS		UF Germ plasm	
		Germ-plasm	
		RT GENES	
		GERMPLASM CHARACTERIZATION	
GENETICS	C	GERMPLASM CONSERVATION	
NT CYTOGENETICS		GERMPLASM DOCUMENTATION	
GENES		GERMPLASM EXCHANGES	
GENOTYPES			
INHERITANCE		Germplasm banks	
MUTATION		USE GENE BANKS	
RT BIOLOGY			
GENETIC DISORDERS		GERMPLASM CHARACTERIZATION	C
GENETIC EROSION		BT PLANT BREEDING	
PLANT BREEDING		NT GERMPLASM EVALUATION	
		RT GERMPLASM	
GENOTYPES	C		
BT GENETICS		GERMPLASM COLLECTION	C
NT HETEROZYGOTES		SN Use for expeditions to collect plants and seeds	
HOMOZYGOTES		BT GERMPLASM CONSERVATION	
RT GENES		NT POLLEN COLLECTION	
		RT GERMPLASM COLLECTIONS	
Geotropism		GERMPLASM DOCUMENTATION	
USE TROPISMS		PLANT INTRODUCTION	
Germ plasm			
USE GERMPLASM			
Germ-plasm			
USE GERMPLASM			

GERMPLASM COLLECTIONS	C	Gibberellins	
BT GENETIC RESOURCES		USE GA	
NT GENE BANKS			
RT GERMPLASM COLLECTION		GIGASPORA	F
		BT FUNGI	
GERMPLASM CONSERVATION	C	Ginger	
BT RESOURCE CONSERVATION		USE ZINGIBER	
NT GERMPLASM COLLECTION			
GERMPLASM STORAGE			
RT GENETIC RESOURCES		GLANDS	F
GERMPLASM		BT PLANT ANATOMY	
		NT NECTARIES	
		RT PLANT SECRETIONS	
		SECRETION	
GERMPLASM DOCUMENTATION	H	Glasshouse culture	
BT DOCUMENTATION		USE GREENHOUSE CULTURE	
RT GERMPLASM			
GERMPLASM COLLECTION			
GERMPLASM EVALUATION	CE	Glasshouses	
UF Germplasm screening		USE GREENHOUSES	
BT EVALUATION			
GERMPLASM CHARACTERIZATION		GLIOCLADIUM	D
RT SEED TESTING		BT FUNGI	
GERMPLASM EXCHANGES	C	Gliomastix	
RT GERMPLASM		USE ACREMONIUM	
PHYTOSANITARY REGULATIONS			
PLANT INTRODUCTION		GLOMERELLA	D
Germplasm screening		BT FUNGI	
USE GERMPLASM EVALUATION		RT ANTHRACNOSIS	
GERMPLASM STORAGE	CF	GLOMUS	D
BT GERMPLASM CONSERVATION		BT FUNGI	
STORAGE			
NT POLLEN STORAGE		GLUCOSE	F
SEED STORAGE		BT SUGARS	
GHANA	I	GLUCOSIDASES	F
BT AFRICA		BT HYDROLASES	
GIANTS	C	GLUTAMIC ACID	F
BT PLANT TYPES		BT AMINO ACIDS	
Gibberellic acid			
USE GA		GLUTAMINE	F
		BT AMINO ACIDS	

GLUTEN	B	GLYCINE SOJA	A
BT PROTEINS		SN Glycine soja (L.) Sieb. and Zucc. This is the wild annual relative of G. max	
GLYCERIDES	B	BT GLYCINE (GENUS)	
BT LIPIDS			
GLYCINE	B	GLYCINE TABACINA	A
BT AMINO ACIDS		BT GLYCINE (GENUS)	
GLYCINE (GENUS)	A	GLYCINE TOMENTELLA	A
BT LEGUMINOSAE		BT GLYCINE (GENUS)	
NT GLYCINE CANESCENS		Glycine wightii	
GLYCINE CLANDESTINA		USE NEONOTONIA WIGHTII	
GLYCINE FALCATA		Goa bean	
GLYCINE LATIFOLIA		USE WINGED BEANS	
GLYCINE LATROBEANA		Golden gram	
GLYCINE MAX		USE MUNGBEANS	
GLYCINE SOJA			
GLYCINE TABACINA			
GLYCINE TOMENTELLA			
GLYCINE CANESCENS	A	GOLGI APPARATUS	B
BT GLYCINE (GENUS)		BT CYTOPLASMIC ORGANELLES	
		RT ENDOPLASMIC RETICULUM	
GLYCINE CLANDESTINA	A	GOMPHRENA GLOPCSA	D
BT GLYCINE (GENUS)		BT INDICATOR HOST PLANTS	
GLYCINE FALCATA	A	GOSSYPIUM	A
BT GLYCINE (GENUS)		UF Cotton	
Glycine javanica		BT MALVACEAE	
USE NEONOTONIA WIGHTII			
GLYCINE LATIFOLIA	A	GOVERNMENTS	C
BT GLYCINE (GENUS)		BT ORGANIZATIONS	
		RT MACROECONOMICS	
		POLICIES	
		PUBLIC ADMINISTRATION	
GLYCINE LATROBEANA	A	GRADING	F
BT GLYCINE (GENUS)		BT PROCESSING	
		RT QUALITY	
GLYCINE MAX	A	GRAFT COMPATIBILITY	C
SN Glycine max (L.) Merr.		BT GRAFTING	
BT GLYCINE (GENUS)			
RT SOYBEANS			

GRAFTING UF Curd grafting BT VEGETATIVE PROPAGATION NT BUDDING GRAFT COMPATIBILITY	C	Gram pea USE CHICKPEAS	
GRAIN AMARANTHS BT AMARANTH GRAIN CROPS	E	GRAMINEAE BT PLANTS NT AGROPYRON AGROSTIS BRACHIARIA CENCHRUS DIGITARIA ECHINOCHLOA ELEUSINE ERAGROSTIS HORDEUM MUHLENBERGIA ORYZA PANICUM PASPALUM PENNISETUM SACCHARUM SETARIA SORGHUM TRITICUM ZEA	A
GRAIN CROPS BT CROPS NT CEREALS GRAIN AMARANTHS GRAIN LEGUMES	E		
Grain drills USE DRILLS			
Grain drying USE DRYING			
GRAIN LEGUMES BT GRAIN CROPS LEGUMES NT ADZUKI BEANS CAJAN CHICKPEAS COWPEAS KIDNEY BEANS MUNGBEANS SOYBEANS URD WINGED BEANS YARD-LONG BEANS	E	Grasshoppers USE ORTHOPTERA	
Grain soybean USE SOYBEANS		GREAT BRITAIN UF England Scotland Wales BT UNITED KINGDOM	1
Gram (Bengal) USE CHICKPEAS			
Gram (black) USE URD		GREECE BT EUROPE	1
Gram (golden or green) USE MUNGBEANS		Green bean USE KIDNEY BEANS	
Gram (red) USE CAJAN		Green gram USE MUNGBEANS	
		GREEN MANURES BT CROPS MANURES	E

GREEN VEGETABLES	E	GROWING MEDIA	F
UF Greens		UF Culture media	
Leaf vegetables		NT ROOTING MEDIA	
BT VEGETABLE CROPS			
NT AMARANTH		GROWTH	r
BROCCOLI		UF Growth habit	
BRUSSELS SPROUTS		BT BIOLOGICAL DEVELOPMENT	
CABBAGES		NT DETERMINATE GROWTH	
CELERY		GROWTH ANALYSIS	
CHIVES		INDETERMINATE GROWTH	
ETHIOPIAN MUSTARD		PRIMARY GROWTH	
HAKURAN		SECONDARY GROWTH	
KALES		VEGETATIVE GROWTH	
LEAF MUSTARD		PT CELL DIVISION	
LETTUCES		STEM ELONGATION	
RAPE GREENS		TROPISMS	
SPINACHES			
SWEET POTATO TIPS		GROWTH ANALYSIS	E
WATER SPINACH		BT GROWTH	
WATERCRESS		NT CROF GROWTH RATE	
WHITE MUSTARD			
GREENGRAM MOSAIC VIRUS	D	GROWTH CHAMBERS	F
BT VIRUSES		BT BUILDINGS	
GREENHOUSE CONDITIONS	G	GROWTH DISORDERS	H
BT CONDITIONS		BT PHYSIOLOGICAL DISORDERS	
GREENHOUSE CULTURE	E	Growth habit	
UF Glasshouse culture		USE PLANT HABIT	
BT PROTECTED CULTIVATION			
GREENHOUSES	H	GROWTH INHIBITORS	F
UF Glasshouses		UF Inhibitors (plant growth)	
BT BUILDINGS		Retardants (plant growth)	
Greens		BT PLANT GROWTH SUBSTANCES	
USE GREEN VEGETABLES		NT ABA	
GREY MOULD	D	COUMARINS	
BT MOULDS		LACTONES	
RT BOTRYTIS		MH	
Groundnuts		MORPHACTINS	
USE PEANUTS		SADH	
		TIBA	
		RT APICAL DOMINANCE	
		GERMINATION INHIBITORS	
		Growth stages	
		USE DEVELOPMENTAL STAGES	
		Grubs	
		USE LARVAE	

GRYLLOTALPA BT ORTHOPTERA	D	HAMANATTO BT FERMENTED PRODUCTS SOYBEAN PRODUCTS	F
GUANINE BT PURINE BASES	B	HANDLING RT HANDLING LOSSES TRANSPORT	F
GUANOSINE BT NUCLEOSIDES	B	HANDLING LOSSES BT POSTHARVEST LOSSES RT HANDLING	C
GUATEMALA BT CENTRAL AMERICA	I		
GUIGNARDIA BT FUNGI	D	HAPLOIDS BT CHROMOSOME NUMBER	F
GUINEA BT AFRICA	I	HARD SEEDFEDNESS BT AGRONOMIC CHARACTERS RT DORMANCY	C
Gumbo USE OKRA		HARDENING SN Of seedlings prior to transplanting BT CULTIVATION	F
GUYANA BT SOUTH AMERICA	I	Haricot bean USE KIDNEY BEANS	
GYNOECIUM BT FLOWERS NT PISTILS	B	Harlequin bugs USE BAGRADA	
GYP SUM UF Calcium sulphate BT SOIL AMENDMENTS	E	HARROWING BT TILLAGE RT HARROWS	F
Hairy gourd USE BENINCASA		HARROWS BT CULTIVATION EQUIPMENT RT HARROWING	F
HAITI BT CARIBBEAN	I	HARVEST INDEX UF HI BT HARVESTING	F
HAKURAN BT GREEN VEGETABLES RT BRASSICA NAPUS	E		

HARVESTING	E	HEAT STRESS	D
NT BALING		BT PHYSIOLOGICAL DISORDERS	
CUTTING		RT TEMPERATURE RESISTANCE	
HARVEST INDEX			
PICKING		Heat tolerance	
THRESHING		USE TEMPERATURE RESISTANCE	
RT HARVESTING EQUIPMENT			
POSTHARVEST SYSTEMS			
		HEATING	EF
HARVESTING EQUIPMENT	H	BT ENVIRONMENTAL CONTROL	
UF Combine harvesters		PROCESSING	
Threshers		RT COOKING	
BT EQUIPMENT		HEATING EQUIPMENT	
RT HARVESTING		HOTBED RAISING	
PRODUCTION EQUIPMENT			
		HEATING EQUIPMENT	H
HEAD FORMATION	B	BT PROCESSING EQUIPMENT	
SN The period in plant		RT COOKING	
development when the		HEATING	
inflorescence becomes			
visible		HELIANTHUS	A
UF Heading		UF Sunflower	
BT PLANT DEVELOPMENTAL STAGES		BT COMPOSITAE	
NT HEADING EFFICIENCY			
HEADING RATE		HELICOBASIDIUM	D
RT COMPACT HEADS		BT FUNGI	
Heading			
USE HEAD FORMATION		HELICOTYLENCHUS	D
		BT NEMATODES	
HEADING CABBAGE	E		
BT CABBAGE TYPES		HELIOTHIS	D
		BT LEPIDOPTERA	
HEADING EFFICIENCY	B	NT HELIOTHIS ARMIGERA	
BT HEAD FORMATION			
RT HEADING RATE		HELIOTHIS ARMIGERA	D
		UF Tomato fruitworm	
HEADING RATE	B	BT HELIOTHIS	
BT HEAD FORMATION			
RT HEADING EFFICIENCY		HELLULA	D
		UF Cabbage webworm	
HEALTH	G	BT LEPIDOPTERA	
SN Restricted to human health			
NT PUBLIC HEALTH		HELMINTHOLOGY	B
RT SOCIAL ASPECTS		BT ZOOLOGY	

HELMINTHOSPORIUM BT FUNGI	D	HETEROZYGOTES BT GENOTYPES	C
HEMIPTERA UF Bugs BT INSECTS NT HETEROPTERA HOMOPTERA	D	HI USE HARVEST INDEX	
HERBICIDES BT AGRICULTURAL CHEMICALS RT CHEMICAL CONTROL	E	HIBISCUS BT MALVACEAE NT HIBISCUS ESCULENTUS HIBISCUS SABDARIFFA	A
Heredity USE INHERITANCE		HIBISCUS ESCULENTUS UF <i>Abelmoschus esculentus</i> BT HIBISCUS RT OKRA	A
HERITABILITY BT INHERITANCE	C	HIBISCUS SABDARIFFA BT HIBISCUS	A
Hermetic storage USE SEALED STORAGE		HIGH-YIELDING VARIETIES BT VARIETIES RT YIELDS	A
HERSE CINGULATA BT LEPIDOPTERA	D	HILDA BT HOMOPTERA	D
HETERODERA UF Soybean cyst nematodes BT NEMATODES	D	HILLING BT CULTIVATION	E
HETEROPTERA UF Stinkbugs BT HEMIPTERA NT ACANTHOMIA ACROSTERNUM BAGRADA EUSCHISTUS LEPTOGLOSSUS NEZARA PIEZODORUS RIPTORTUS THYANTA	D	HISTIDINE BT AMINO ACIDS	B
HETEROSIS NT HYBRID VIGOUR	C	HISTORY RT DOMESTICATION EVOLUTION	A
		HOEING BT CULTIVATION RT HOES	E
		HOES BT CULTIVATION EQUIPMENT NT POTARY HOES RT HOEING	H

Holland			
USE NETHERLANDS		HOPLOLAIMUS	D
		BT NEMATODES	
HOME GARDENS	E	Hops	
UF Domestic gardens		USE HUMULUS	
Kitchen gardens			
BT GARDENS			
Home industry		HORDEUM	A
USE COTTAGE INDUSTRY		UF Barley	
		BT GRAMINEAE	
		RT CEREALS	
HOMOPTERA	D		
UF Coccids		HORIZONTAL RESISTANCE	D
Froghoppers		SN Polygenic, quantitative,	
Jassids		non-specific resistance	
Lac insects		UF Field resistance	
Leafhoppers		General resistance	
Mealybugs		Rate-reducing resistance	
Planthoppers		BT RESISTANCE	
Scales			
Spittlebugs			
BT HEMIPTERA		HORMONE SPRAYS	F
NT AGALLIA		BT AGRICULTURAL CHEMICALS	
APHIDS		PT HORMONES	
AUSTROAGALLIA		PLANT GROWTH SUBSTANCES	
BEMISIA			
CICADULINA		HORMONES	B
DALBULUS		BT ORGANIC COMPOUNDS	
DIAPHORINA		NT PHEROMONES	
DYSMICOCUS		RT HORMONE SPRAYS	
EMPOASCA		PLANT GROWTH SUBSTANCES	
EUTETTIX			
FERRISIA		Hormones (plant)	
HILDA		USE PLANT GROWTH SUBSTANCES	
JAVESELLA			
MACROSTELES		Horticultural characters	
NEPHOTETTIX		USE AGRONOMIC CHARACTERS	
PLANOCOCCUS			
PSEUDOCOCCUS		HORTICULTURE	E
PSYLLA		BT AGRICULTURE	
TRIOZA		RT GARDENS	
		PLANT PRODUCTION	
HOMOZYGOTES	C		
BT GENOTYPES		Host plants	
		USE HOSTS	
HONDURAS	I		
BT CENTRAL AMERICA			
HONG KONG	I		
BT ASIA			

HOSTS		Hybrid cultivars	
SN Animals or plants infected or infested by other organisms	D	USE HYBRIDS	
UF Host plants		HYBRID PRODUCTION	C
BT PARASITISM		BT CROSSBREEDING	
NT ALTERNATE HOSTS		NT F1 HYBRID PRODUCTION	
INDICATOR HOST PLANTS		RT CYTOPLASMIC MALE STERILITY SELF INCOMPATIBILITY	
HOT SEASON		Hybrid varieties	
BT SEASONS	E	USE HYBRIDS	
HOTBED RAISING		HYBRID VIGOUR	C
BT CULTIVATION	E	BT BREEDING AIMS HETEROSIS	
RT HEATING PROTECTED CULTIVATION		Hybridization	
Hulling		USE CROSSBREEDING	
USE HUSKING		HYBRIDS	C
HUMAN NUTRITION		UF Crossbreds	
BT NUTRITION	E	Hybrid cultivars	
NT MALNUTRITION		Hybrid varieties	
RT NUTRITIVE VALUE		BT PLANT TYPES	
		NT F1 HYBRIDS	
HUMIDITY		HYDRAULIC PRESSES	H
UF Relative humidity	B	BT MILLING EQUIPMENT	
BT ENVIRONMENTAL CONDITIONS		RT CRUSHING	
HUMULUS		HYDROCARBONS	R
UF Hops	A	BT ORGANIC COMPOUNDS	
BT CANNABIDACEAE		NT METHANE	
Hurricanes		HYDROGEN	H
USE CYCLONES		BT ELEMENTS	
HUSKING		HYDROLASES	B
UF Hulling	F	BT ENZYMES	
Shelling		NT ACID PHOSPHATASE	
BT PROCESSING		CELLULASE	
Hyacinth bean		GALACTOSIDASES	
USE LABLAB		GLUCOSIDASES	
HYBRID BREAKDOWN		PEPTIDASES	
BT BREEDING BARRIERS	C	PROTEASES	
		UREASE	

HYDROPONICS	E	IBPGR	G
BT CROPPING SYSTEMS		SN International Board for Plant Genetic Resources (Italy)	
HYDROXIDES	B	BT AGRICULTURAL RESEARCH CENTRES	
BT SALTS			
HYDROXY COMPOUNDS	B	ICARDA	G
BT ORGANIC COMPOUNDS		SN International Centre for Agricultural Research in Dry Areas (Syria)	
NT ALCOHOLS		BT AGRICULTURAL RESEARCH CENTRES	
HYDROXYPROLINE	B		
BT AMINO ACIDS			
HYGIENE	G	ICRISAT	G
UF Sanitation		SN International Centre for Research in the Semi-Arid Tropics (Hyderabad)	
RT PUBLIC HEALTH		BT AGRICULTURAL RESEARCH CENTRES	
HYLEMYA	D		
BT ANTHOMYIIDAE			
HYMENOPTERA	D	IDENTIFICATION	A
UF Ants		UF Determination of species	
Sawflies		RT ISOLATION	
Wasps		NOMENCLATURE	
BT INSECTS		IITA	G
NT ACROMYRMEX		SN International Institute of Tropical Agriculture	
ATHALIA		BT AGRICULTURAL RESEARCH CENTRES	
ATTA			
HYPOMECEs	D	ILLEGAL PRACTICES	G
BT COLEOPTERA		UF Crop stealing	
		BT LEGAL ASPECTS	
IAA	B		
UF Indoleacetic acid		IMMUNITY	D
BT AUXINS		NT ANTIGENS	
IARC		RT IMMUNOLOGY	
USE AGRICULTURAL RESEARCH CENTRES			
IBA	B	IMMUNOLOGY	D
UF Indolebutyric acid		RT IMMUNITY	
BT AUXINS		SEROLOGY	

IMMUNOSORBANT ELECTRON MICROSCOPY UF ISEM BT MICROSCOPY	D	INDIAN LETTUCE UF Lettuce (Indian) BT LETTUCES RT LACTUCA INDICA	E
Implements USE EQUIPMENT		Indian mustard USE LEAF MUSTARD	
IMPORTS BT INTERNATIONAL TRADE RT TRADE BALANCE	G	INDICATOR HOST PLANTS UF Virus indicator plants BT HOSTS NT CHENOPODIUM AMARANTICOLOR CHENOPODIUM QUINOA CUCUMIS SATIVUS DATURA STRAMONIUM GOMPHRENA GLOIOSA NICOTIANA BENTHAMIANA NICOTIANA GLUTINOSA NICOTIANA SYLVESTRIS NICOTIANA TABACUM PHASEOLUS VULGARIS VICIA FABA VIGNA UNGUICULATA RT PLANTS	D
IMPURE SEED BT SEED RT SEED CERTIFICATION SEED PURIFICATION	C		
In situ planting USE DIRECT SOWING			
INBRED LINES BT BREEDING LINES RT PURE LINES	C		
INBREEDING BT PLANT BREEDING NT INBREEDING DEPRESSION RT SELFING	C	Indoleacetic acid USE IAA Indolebutyric acid USE IBA	
INBREEDING DEPRESSION BT INBREEDING	C	INDONESIA BT ASIA NT BALI BORNEO IRIAN JAYA JAVA SUMATRA TIMOR RT ASEAN	1
INCOME NT FARM INCOME NATIONAL INCOME	G		
INDETERMINATE GROWTH BT GROWTH	B	Induced flowering USE FLOWER INDUCTION	
INDIA BT ASIA	I	INDUCED MUTATION BT MUTATION NT INDUCED POLYPLOIDY	C

INDUCED POLYPLOIDY	C	INHERITANCE	C
BT INDUCED MUTATION		UF Heredity	
RT POLYPLOIDS		BT GENETICS	
		NT ACQUIRED CHARACTERS	
		ANCESTRY	
INDUSTRIAL DEVELOPMENT	G	CYTOPLASMIC INHERITANCE	
BT DEVELOPMENT		HERITABILITY	
RT INDUSTRY		RT EVOLUTION	
		GENES	
		PLANT BREEDING	
INDUSTRIAL USES	F	Inhibitors (plant growth)	
BT USES		USE GROWTH INHIBITORS	
INDUSTRY	F	INJURIOUS FACTORS	D
NT COTTAGE INDUSTRY		SN Factors injurious to TVIS	
OILS INDUSTRY		crops, their production	
PROCESSING INDUSTRY		or their products	
SEED INDUSTRY		NT DISEASES	
RT INDUSTRIAL DEVELOPMENT		DISORDERS	
PRODUCTION		ENVIRONMENTAL EFFECTS	
		EROSION	
INFLATION	G	NATURAL DISASTERS	
BT PRICES		PARASITIC PLANTS	
RT MACROECONOMICS		PESTS	
		POLLUTANTS	
INFLORESCENCES	B	SOIL DETEPIORATION	
BT PLANT ANATOMY		SOIL TOXICITY	
NT FLOWERS		TOXIC SUBSTANCES	
PEDICELS		WEEDS	
SPIKELETS		RT CROP LOSSES	
RT SPOROPHORES		RESISTANCE TO INJURIOUS	
		FACTORS	
INFORMATION SCIENCE	H	INLAND WATERWAYS	F
NT DOCUMENTATION		BT TRANSPORT	
RT INFORMATION SERVICES		NT CANALS	
		RIVERS	
INFORMATION SERVICES	H	INOCULATION	D
NT AGRIS		SN The introduction of	
TVIS		material containing	
RT INFORMATION SCIENCE		microorganisms into a	
		tissue	
		NT SEED INOCULATION	
		RT NITROGEN FIXATION	
		NITROGEN-FIXING BACTERIA	
		ROOT NODULATION	

INORGANIC ACIDS	B	INTERCROPPING	F
UF Acid (inorganic)		SN The growing of two or more crops simultaneously in close proximity, as in alternate rows in the same field	
BT INORGANIC COMPOUNDS		UF Interplanting	
		BT CROPPING SYSTEMS	
INORGANIC COMPOUNDS	B		
NT AMMONIA			
INORGANIC ACIDS			
SALTS			
RT AGRICULTURAL CHEMICALS			
CHEMISTRY		INTEREST RATES	G
MINERALS		RT LOANS	
ORGANIC COMPOUNDS			
INSECT CONTROL	D	INTERGENERIC HYBRIDIZATION	C
SN Control of pest insects		UF Wide crossing	
BT PEST CONTROL		BT CROSSBREEDING	
NT LIGHT TRAPS			
STERILE INSECT RELEASE		INTERLINE CROSSING	C
RT ATTRACTANTS		BT INTRASPECIFIC HYBRIDIZATION	
REPELLENTS			
INSECTICIDES	E	International Agricultural Research Center	
BT PESTICIDES		USE AGRICULTURAL RESEARCH CENTRES	
NT BACTERIAL INSECTICIDES			
INSECTS	D	INTERNATIONAL TRADE	G
BT ARTHROPODS		BT TRADE	
NT COLEOPTERA		NT EXPORTS	
DICTYOPTERA		IMPORTS	
DIPTERA		TRADE BALANCE	
HEMIPTERA		RT DOMESTIC TRADE	
HYMENOPTERA			
ISOPTERA		INTERNODES	F
LEPIDOPTERA		BT STEMS	
ORTHOPTERA			
PHASMIDA		Interplanting	
PHTHIRAPTERA		USE INTERCROPPING	
SIPHONAPTERA			
THYSANOPTERA		INTERSPECIFIC HYBRIDIZATION	C
USEFUL INSECTS		BT CROSSBREEDING	
RT PEST INSECTS			
Instars		INTERSPECIFIC STERILITY	F
USE LARVAE		BT STERILITY	
INTEGRATED PEST MANAGEMENT	D	RT BREEDING BARRIERS	
UF IPM			
BT PEST CONTROL			

INTRASPECIFIC HYBRIDIZATION	C	IPOMOEA GRACILIS	A
BT CROSSBREEDING		BT IPOMOEA	
NT INTERLINE CROSSING			
INVERTEBRATES	D	IPOMOEA LACUNOSA	A
NT ANNELIDA		BT IPOMOEA	
ARTHROPODS			
MOLLUSCS		IPOMOEA LEUCANTHA	A
NEMATODES		BT IPOMOEA	
PROTOZOA			
RT ANIMALS		IPOMOEA LITTORALIS	A
		BT IPOMOEA	
INVESTMENT	G		
NT FOREIGN INVESTMENT		IPOMOEA RAMONI	A
PUBLIC INVESTMENT		BT IPOMOEA	
RT CAPITAL BUDGETING			
IODINE	B	IPOMOEA TILIACEA	A
BT ELEMENTS		BT IPOMOEA	
Ipil-ipil			
USE LEUCAENA		IPOMOEA TRICHOCARPA	A
		BT IPOMOEA	
IPM			
USE INTEGRATED PEST MANAGEMENT		IPOMOEA TRIFIDA	A
		BT IPOMOEA	
IPOMOEA	A		
BT CONVULVULACEAE			
NT IPOMOEA AQUATICA		IPOMOEA TRILOBA	A
IPOMOEA BATATAS		BT IPOMOEA	
IPOMOEA GRACILIS			
IPOMOEA LACUNOSA			
IPOMOEA LEUCANTHA		IRAN	I
IPOMOEA LITTORALIS		BT ASIA	
IPOMOEA RAMONI			
IPOMOEA TILIACEA		IRAQ	I
IPOMOEA TRICHOCARPA		BT ASIA	
IPOMOEA TRIFIDA			
IPOMOEA TRILOBA			
IPOMOEA AQUATICA	A	IRIAN JAYA	I
BT IPOMOEA		BT INDONESIA	
RT WATER SPINACH			
		Irish potato	
		USE POTATOES	
IPOMOEA BATATAS	A		
UF Batatas edulis		IRON	B
BT IPOMOEA		BT ELEMENTS	
RT SWEET POTATOES			

IRRI	G	ISOLATION	B
SN International Rice Research Institute		SN Of chemicals or microorganisms	
BT AGRICULTURAL RESEARCH CENTRES		RT CHEMISTRY IDENTIFICATION ISOLATION TECHNIQUE	
IRRIGATED FARMING	E	ISOLATION TECHNIQUE	C
BT CROPPING SYSTEMS		SN Protection of plants from undesired pollination	
RT IRRIGATION		BT PLANT BREEDING	
IRRIGATION	E	RT BREEDING BARRIERS ISOLATION ISOLATION TENTS	
NT IRRIGATION SCHEDULING IRRIGATION SYSTEMS WATERING		ISOLATION TENTS	H
RT CULTIVATION IRRIGATED FARMING IRRIGATION EQUIPMENT WATER MANAGEMENT WATER SUPPLY		BT BUILDINGS RT ISOLATION TECHNIQUE	
IRRIGATION EQUIPMENT	H	ISOPTERA	D
BT PRODUCTION EQUIPMENT		UF Termites	
NT PUMPS SPRAYERS		RT INSECTS	
RT IRRIGATION		ISRAEL	I
IRRIGATION SCHEDULING	E	BT ASIA	
BT IRRIGATION		ITALY	I
IRRIGATION SYSTEMS	E	BT EUROPE	
BT IRRIGATION		IVORY COAST	I
NT AUTOMATIC IRRIGATION FURROW IRRIGATION SPRINKLER IRRIGATION TRICKLE IRRIGATION		BT AFRICA	
ISARIOPSIS	D	Jack bean USE CANAVALIA	
BT FUNGI		JAMAICA	I
ISEM		BT CARIBBEAN	
USE IMMUNOSORBANT ELECTRON MICROSCOPY		JAPAN	I
		BT ASIA	
		Jassids USE HOMOPTERA	

JAVA	I	KIDNEY BEANS	E
BT INDONESIA		UF Bean (bush)	
		Bean (field)	
		Bean (french)	
JAVESELLA	D	Bean (green)	
BT HOMOPTERA		Bean (haricot)	
		Bean (navy)	
		Bean (pole)	
JORDAN	I	Bean (snap or string)	
BT ASIA		Bush bean	
		Field bean	
K		French bean	
USE POTASSIUM		Green bean	
Kai lan tau		Haricot bean	
USE KOHLRABI		Navy bean	
		Pole bean	
Kai lan tsoi		Snap bean	
USE CHINESE KALE		String bean	
		RT GRAIN LEGUMES	
Kai tsoi		VEGETABLE LEGUMES	
USE LEAF MUSTARD		RT PHASEOLUS VULGARIS	
KALES	E	KIMCHI	F
BT FEED CRUCIFERS		SN A Korean staple made from	
GREEN VEGETABLES		fermented spiced Chinese	
NT CHINESE KALE		cabbage	
RT BRASSICA OLERACEA ACEPHALA		BT FERMENTED PRODUCTS	
KAMPUCHEA	I	KINAKO	F
UF Cambodia		BT SOYBEAN PRODUCTS	
Khmer Republic			
BT ASIA		KINETIN	F
		BT CYTOKININS	
Kang kong			
USE WATER SPINACH		Kitchen gardens	
		USE HOME GARDENS	
KENYA	I	KOHLRABI	F
BT AFRICA		UF kai lan tau	
		BT STEM VEGETABLES	
KETONES	B	RT BRASSICA OLERACEA	
BT ORGANIC COMPOUNDS		GONGYLODES	
Khmer Republic		Kokuto-byo	
USE KAMPUCHEA		USE SOYBEAN SCAP	
		Korea (People's Republic)	
		USE NORTH KOREA	

Korea Republic USE SOUTH KOREA		LACTUCA SATIVA BT LACTUCA RT LETTUCES	A
Kun tsoi USE CHINESE CELERY		Lady's fingers USE OKRA	
KUWAIT BT ASIA	I		
LABLAB UF Bean (hyacinth) Hyacinth bean BT LEGUMINOSAE	A	LAGENARIA BT CUCURBITACEAE	A
Labor USE LABOUR		LAI USE LEAF AREA INDEX	
LABORATORY ANIMALS BT ANIMALS	D	LAMPIDES BT LEPIDOPTERA	D
LABORATORY CONDITIONS BT CONDITIONS	G	LAND BT PRODUCTION FACTORS NT FALLOW LAND	G
LABOUR UF Labor BT PRODUCTION FACTORS RT EMPLOYMENT	G	Land races USE LANDRACES	
Lac insects USE HOMOPTERA		LANDRACES UF Land races Primitive cultivars BT RACES RT CULTIVARS WILD SPECIES	A
LACTONES BT GROWTH INHIBITORS	B	LAO UF Laos BT ASIA	I
LACTOSE BT SUGARS	B	Laos USE LAO	
LACTUCA BT COMPOSITAE NT LACTUCA INDICA LACTUCA SATIVA	A	LARVAE UF Grubs Instars BT ANIMAL DEVELOPMENTAL STAGES	P
LACTUCA INDICA BT LACTUCA RT INDIAN LETTUCE	A	LAYERING BT VEGETATIVE PROPAGATION RT ROOTING	C

LDC's

USE DEVELOPING COUNTRIES

LEACHING

D

SN Removal of soluble
chemicals by water
passing through the soil
BT WATER EROSION
RT SOIL FERTILITY

LEAF ANGLE

B

BT PLANT HABIT

LEAF AREA INDEX

B

UF LAI
RT LEAVES

LEAF BLIGHT

D

BT BLIGHTS
RT CHOANEPHORA
STEMPHYLIUM

LEAF CURLS

D

BT SYMPTOMS

Leaf fall

USE ABSCISSION

LEAF MUSTARD

E

UF Chinese mustard
Indian mustard
Kai tsoi
Mustard (Chinese or
Indian)
BT GREEN VEGETABLES
RT BRASSICA JUNCEA

LEAF PUBESCENCE

B

BT PLANT HAIRS

LEAF SPOTS

D

UF Leafspot
BT SPOTS
NT CERCOSPORA LEAF SPOT
FROGEYE LEAF SPOT
RT ALTERNARIA
DACTULIOPHORA
LEPTOSPHAERULINA
PHYLLOSTICTA
PYRENOCHAETA

Leaf vegetables

USE GREEN VEGETABLES

LEAF-EATING INSECTS

D

BT CHEWING INSECTS

LEAF-TYING

E

UF Binding
BT CULTIVATION

Leafhoppers

USE HOMOPTERA

Leafspot

USE LEAF SPOTS

LEASING

G

BT TENURE

LEAVES

B

BT PLANT ANATOMY
NT BRACTS
COTYLEDONS
PETIOLES
STOMATA
TENDRILS
RT LEAF AREA INDEX

LEECHES

D

BT ANNELIDA

LEEKs

E

BT BULBOUS VEGETABLES
NT CHINESE LEEKS
RT ALLIUM

LEGAL ASPECTS
 NT BREEDERS RIGHTS
 ILLEGAL PRACTICES
 PHYTOSANITARY REGULATIONS

G

LEPIDIDIUM
 BT CRUCIFERAE

A

LEGUME PRODUCTS
 BT VEGETABLE PRODUCTS
 NT SOYBEAN PRODUCTS
 SPROUTS
 RT LEGUMES

F

LEPIDOPTERA
 UF Armyworms
 Butterflies
 Caterpillars
 Cutworms
 Loopers
 Moths

D

LEGUMES
 NT FEED LEGUMES
 GRAIN LEGUMES
 VEGETABLE LEGUMES
 RT CROPS
 LEGUME PRODUCTS
 PLANTS

E

BT INSECTS
 NT ACHAEA
 ACHERONTIA
 AGRIUS
 AGROTIS
 ANTICARSIA
 BRACHMIA
 COLIAS
 CROCIDOLomia
 CYNTHIA
 DIACRISIA
 ELASMOPALPUS
 EPHESTIA
 ESTIGMENE
 ETIELIA ZINCKENELLA
 HELIOTHIS
 HELLULA
 HERSE CINGULATA
 LAMPIDES
 MAMESTRA
 MARUCA
 MEGASTES
 MOCIS
 MYTHIMNA
 OEBIA
 OSTRINIA
 PHTHORIMAEA
 PIERIS
 PLATHYPENA
 PLODIA
 PLUSIA
 PLUTELLA
 PSEUDOPUSIA
 SPODOPTERA
 SYNANTHEDON
 TRICHOPLUSIA

LEGUMINOSAE
 UF Caesalpinioideae
 Faboideae
 Lotoideae
 Mimosoideae
 Papilionoideae
 BT PLANTS
 NT ARACHIS
 CAJANUS
 CANAVALIA
 CASSIA
 CICER
 CROTALARIA
 GLYCINE (GENUS)
 LABLAP
 LENS
 LEUCAENA
 NEONOTONIA WIGHTII
 PACHYRRHIZUS
 PHASEOLUS
 PISUM
 PSOPHOCARPUS
 VICIA
 VIGNA

A

LENS
 UF Lentil
 BT LEGUMINOSAE

A

LEPTOGLOSSUS
 BT HETEROPTERA

D

Lentil
 USE LENS

LEPTOSPHAERULINA	D	LIGHT	B
BT FUNGI		NT ARTIFICIAL LIGHT	
RT LEAF SPOTS		DARKNESS	
		DAYLIGHT	
LESIONS	D	LIGHT INTENSITY	
BT SYMPTOMS		LIGHT QUALITY	
		LIGHT REGIMES	
		RT ENVIRONMENTAL CONDITIONS	
		PHOTOSENSITIVITY	
LESOTHO	I	RADIATIONS	
BT AFRICA			
Less developed countries		LIGHT INTENSITY	B
USE DEVELOPING COUNTRIES		BT LIGHT	
		RT LIGHT QUALITY	
LETHAL GENES	C	LIGHT QUALITY	E
BT GENES		UF Photosynthetic action spectrum	
Lettuce (Indian)		BT LIGHT	
USE INDIAN LETTUCE		RT LIGHT INTENSITY	
LETTUCE NECROTIC YELLOW VIRUS	D	LIGHT REACTIONS	B
BT VIRUSES		BT PHOTOSYNTHESIS	
LETTUCES	E	LIGHT REGIMES	B
BT GREEN VEGETABLES		BT LIGHT	
NT INDIAN LETTUCE			
RT LACTUCA SATIVA			
LEUCAENA	A	LIGHT TRAPS	D
UF Ipil-ipil		BT INSECT CONTROL	
BT LEGUMINOSAE			
		LIGHTING	F
		BT ENVIRONMENTAL CONTROL	
		RT ARTIFICIAL LIGHT	
LIBERIA	I		
BT AFRICA			
LIBYA	I	LIGNIFICATION	B
BT AFRICA		BT BIOLOGICAL DEVELOPMENT	
		RT LIGNINS	
Lice		LIGNINS	B
USE PHTHIRAPTERA		BT CELLULOSES	
		RT LIGNIFICATION	
		LILIACFAE	A
		BT PLANTS	
		NT ASPARAGUS	

Lima bean
USE PHASEOLUS LUNATUS

Lima-bean pod borer
USE ETIELLA ZINCKENELLA

LIMING
BT CULTIVATION

LINE SELECTION
BT SELECTION
NT MATERNAL LINE SELECTION

LINOLEIC ACID
BT UNSATURATED FATTY ACIDS

LINOLENIC ACID
BT UNSATURATED FATTY ACIDS

LIPAPHIS
BT APHIDS

LIPIDS
BT ORGANIC COMPOUNDS
NT GLYCERIDES
PHOSPHOLIPIDS
RT FATS
FATTY ACIDS
NUTRIENT CONTENT

LIQUID FERTILIZERS
BT FERTILIZERS

LIRIOMYZA
BT AGROMYZIDAE

LISTRODERES
BT COLEOPTERA

LITHOLOGICAL SOIL TYPES
BT SOIL TYPES
NT ALLUVIAL SOILS
CALCAREOUS SOILS
CLAY SOILS
LOESS SOILS
SANDY SOILS
VOLCANIC SOILS

LIVESTOCK
BT DOMESTIC ANIMALS
NT CATTLE
SWINE
WATER BUFFALOES

LIVING STANDARDS
BT SOCIAL ASPECTS
RT CONDITIONS
DEVELOPMENT

Lo sun
USE ASPARAGUS

LOAM SOILS
BT TEXTURAL SOIL TYPES

LOANS
BT AGRICULTURAL CREDIT
RT INTEREST RATES

LOCUSTA
BT ORTHOPTERA

Locusts
USE ORTHOPTERA

LODGING RESISTANCE
BT RESISTANCE TO INJURIOUS
FACTORS
RT PLANT WEATHERING
WILTING

LOESS SOILS
BT LITHOLOGICAL SOIL TYPES

F

D

G

E

C

B

B

D

B

E

D

D

F

G

D

CI

F

LONG DAY BT PHOTOPERIOD	B	LYCOPERSICON CHILENSE BT LYCOPERSICON	A
LONGEVITY BT AGING NT SEED LONGEVITY RT AGE	B	LYCOPERSICON CHMIELEWSKII BT LYCOPERSICON	A
LONGIDORUS BT NEMATODES	D	LYCOPERSICON ESCULENTUM BT LYCOPERSICON	A
Loopers USE LEPIDOPTERA		LYCOPERSICON GLANDULOSUM BT LYCOPERSICON	A
LOSSES BT PROFITABILITY NT CROP LOSSES POSTHARVEST LOSSES RT PROFIT RISK AND UNCERTAINTY	G	LYCOPERSICON HIRSUTUM BT LYCOPERSICON	A
Lotoideae USE LEGUMINOSAE		LYCOPERSICON PARVIFLORUM BT LYCOPERSICON	A
LOXOBLEMMUS BT ORTHOPTERA	D	LYCOPERSICON PERUVIANUM BT LYCOPERSICON	A
LUFFA BT CUCURBITACEAE RT CUCURBIT VEGETABLES	A	LYCOPERSICON PIMPINELLIFOLIUM BT LYCOPERSICON	A
LYCOPERSICON BT SOLONACEAE NT LYCOPERSICON CHEESMANII LYCOPERSICON CHILENSE LYCOPERSICON CHMIELEWSKII LYCOPERSICON ESCULENTUM LYCOPERSICON GLANDULOSUM LYCOPERSICON HIRSUTUM LYCOPERSICON PARVIFLORUM LYCOPERSICON PERUVIANUM LYCOPERSICON PIMPINELLIFOLIUM RT TOMATOES	A	LYSINE BT AMINO ACIDS	F
		M-ECMV USE MUNGBEAN MOSAIC VIRUS	
		MACHINEPY BT EQUIPMENT NT TRACTORS RT MECHANICAL METHODS PROCESSING EQUIPMENT PRODUCTION EQUIPMENT	H
		Machismo USE MYCOPLASMA-LIKE DISEASES	
LYCOPERSICON CHEESMANII BT LYCOPERSICON	A		

MACROECONOMICS			
SN Economic analysis of the behaviour of the economy as a whole, usually at the national or international level			
BT ECONOMICS			
RT CONSUMPTION DEMAND EMPLOYMENT GOVERNMENTS INFLATION MICROECONOMICS NATIONAL INCOME POLICIES PRICES SUPPLY TAXES TRADE			
MACROPHOMA			
BT FUNGI			
MACROPHOMINA			
BT FUNGI			
RT CHARCOAL ROT			
MACROPOSTHONIA			
BT NEMATODES			
MACROSIPHONIELLA			
BT APHIDS			
MACROSIPHUM			
BT APHIDS			
MACROSTELES			
BT HOMOPTERA			
MADAGASCAR			
UF Malagasy Republic			
BT AFRICA			
MAGNESIUM			
BT ELEMENTS			
	G	Mainland China USE CHINA	
		Maize USE ZEA	
		Malagasy Republic USE MADAGASCAR	
		MALAYSIA	I
		BT ASIA	
		RT ASEAN	
		MALDIVES	I
		BT ASIA	
		MALE STERILITY	H
		BT STERILITY	
		NT CYTOPLASMIC MALE STERILITY	
	D	Maleic hydrazide USE MH	
	D	MALI	I
		BT AFRICA	
	D	MALNUTRITION	F
		BT HUMAN NUTRITION	
	D	MALTOSE	B
		BT SUGARS	
	D	MALVACEAE	A
		BT PLANTS	
		NT ABUTILON GOSSYPIMUM HIBISCUS	
	D	MAMESTRA	D
	I	BT LEPIDOPTERA	
		MANGANESE	B
		BT ELEMENTS	

MANIHOT	A	MARKETING	G
BT EUPHORBIACEAE		NT DEMAND	
RT CASSAVA		DIPECT MARKETING	
		MARKET DEVELOPMENT	
Manmade soils		MARKETING BOARDS	
USE ANTHROPOGENIC SOIL TYPES		SUPPLY	
		RT DISTRIBUTION	
		MARKETING COSTS	
MANNOSE	B	MARKETS	
BT SUGARS		TRADE	
MANUAL METHODS	H	MARKETING BOARDS	G
BT METHODS		BT MARKETING	
RT PHYSICAL CONTROL		RT BUSINESS ORGANIZATIONS	
		SUPPLY MANAGEMENT	
MANUAL SEEDERS	H	MARKETING COSTS	G
BT PLANTERS		BT COSTS	
		RT MARKETING	
MANURES	E	MARKETS	G
BT FERTILIZERS		NT COMMON MARKETS	
NT ANIMAL MANURES		FUTURES MARKETS	
GREEN MANURES		RT MARKETING	
NIGHT SOIL			
Manuring			
USE FERTILIZER APPLICATION		MARUCA	D
		BT LEPIDOPTERA	
MANY-BRANCHED TYPE	C	MASS	B
BT PLANT TYPES		BT CHEMICOPHYSICAL PROPERTIES	
		NT BIOMASS	
Marble pea			
USE COWPEAS			
MARKET DEVELOPMENT	G	MASS REARING	D
BT MARKETING		BT BIOLOGICAL CONTROL	
MARKET GARDENS	E	MASS SELECTION	C
BT GARDENS		BT SELECTION	
		MASTIGOPHORA	D
		BT PROTOZOA	
		MATERNAL LINE SELECTION	C
		BT LINE SELECTION	

MATURATION	B	MECHANIZATION	G
UF Ripening		BT AGRICULTURAL DEVELOPMENT	
BT BIOLOGICAL DEVELOPMENT		RT TPACTORS	
NT EARLY MATURATION			
RT ETHYLENE			
MAURITANIA	I	MEGASTES	D
BT AFRICA		RT LEPIDOPTERA	
MAURITIUS	I	MEIOSIS	B
BT AFRICA		UF Reduction division	
		BT CELL DIVISION	
MCPA	B	MELANOGROMYZA	D
UF Methyl		BT AGROMYZIDAE	
chlorophenoxyacetic acid			
BT AUXINS		MELANOPLUS	D
Mealybugs		BT ORTHOPTERA	
USE HOMOPTERA			
MEAT	F	MELANOTUS	D
BT ANIMAL PRODUCTS		BT COLEOPTERA	
FOODS			
Meat analogues		MELOIDOGYNE	D
USE MEAT SUBSTITUTES		UF Root-knot nematodes	
		BT NEMATODES	
Meat extenders		Melons	
USE MEAT SUBSTITUTES		USE CUCURBIT VEGETABLES	
MEAT SUBSTITUTES	F	MERCURY	B
UF Meat analogues		BT ELEMENTS	
Meat extenders			
BT FOODS		MERISTEM CULTURE	C
NT TEXTURED PROTEINS		UF Shoot culture	
		Shoot-tip culture	
MECHANICAL METHODS	H	BT TISSUE CULTURE	
BT METHODS		RT MERISTEMS	
RT MACHINERY			
TECHNOLOGY		MERISTEMS	B
MECHANICAL PROPERTIES	B	BT PLANT TISSUES	
BT CHEMICOPHYSICAL PROPERTIES		NT APICAL MERISTEMS	
		RT CELL DIVISION	
		MERISTEM CULTURE	
		MESOPHYLL	B
		BT PARENCHYMA	

METABOLIC DISORDERS	D	MEXICO	I
BT PHYSIOLOGICAL DISORDERS		BT NORTH AMERICA	
RT METABOLISM			
Metabolic inhibitors		MH	E
USE ANTIMETABOLITES		UF Maleic hydrazide	
		BT GROWTH INHIBITORS	
METABOLISM	B	Micro-organisms	
BT PHYSIOLOGY		USE MICROORGANISMS	
NT ANABOLISM			
CATABOLISM			
RT ANTIMETABOLITES		MICROBIOLOGY	R
ASSIMILATION		BT BIOLOGY	
BIOCHEMICAL PATHWAYS		NT BACTERIOLOGY	
METABOLIC DISORDERS		VIROLOGY	
NUTRITION PHYSIOLOGY		RT MICROORGANISMS	
Metayage		MICROECONOMICS	G
USE SHARE CROPPING		SN Economic analysis of the behaviour of individuals, consumers and firms	
METHANE	BC	BT ECONOMICS	
UF Biogas		NT PRODUCTION ECONOMICS	
BT FUELS		RT MACROECONOMICS	
HYDROCARBONS			
METHIONINE	B	MICRONUTRIENT FERTILIZERS	E
BT AMINO ACIDS		BT FERTILIZERS	
Methodology		MICROORGANISMS	D
USE METHODS		UF Micro-organisms	
		NT BACTERIA	
METHODS	H	PROTOZOA	
UF Methodology		VIRUSES	
Techniques		RT ANTIMICROBIALS	
NT MANUAL METHODS		FUNGI	
MECHANICAL METHODS		MICROBIOLOGY	
TRACER TECHNIQUES		PARASITES	
RT EQUIPMENT		PATHOGENS	
Methyl chlorophenoxyacetic acid		Micropropagation	
USE MCPA		USE TISSUE CULTURE	
Methyl dinitrophenol		MICROSCOPY	D
USE DNOC		NT IMMUNOSORBANT ELECTRON MICROSCOPY	
Mexican bean beetle			
USE EPILACHNA VARIVESTIS			

MICROSPHAERA	D	MITOSIS	B
BT FUNGI		BT CELL DIVISION	
RT POWDERY MILDEWS			
MICROSPORA	D	MIXED FARMING	E
BT PROTOZOA		BT FARMING SYSTEMS	
MILDEWS	D	Mixed seed	
BT FUNGAL DISEASES		USE SEED BLENDS	
NT DOWNY MILDEWS		MLO	
POWDERY MILDEWS		USE MYCOPLASMA-LIKE ORGANISMS	
MILLING	F	MMV	
BT PROCESSING		USE MUNGBEAN MOSAIC VIRUS	
NT CRUSHING			
RT MILLING EQUIPMENT		MOCIS	D
		BT LEPIDOPTERA	
MILLING EQUIPMENT	H	MOLLUSCICIDES	E
BT PROCESSING EQUIPMENT		BT PESTICIDES	
NT HYDRAULIC PRESSES			
RT MILLING		MOLLUSCS	D
Mimosoideae		BT INVERTEBRATES	
USE LEGUMINOSAE		RT NOXIOUS MOLLUSCS	
MINERALS	B	MOLYBDENUM	B
RT ELEMENTS		BT ELEMENTS	
INORGANIC COMPOUNDS			
NUTRIENT CONTENT		MOMORDICA	A
MINIMUM TILLAGE	E	BT CUCURBITACEAE	
BT REDUCED TILLAGE		RT CUCURBIT VEGETABLES	
RT ZERO TILLAGE			
MISO	F	MONILIA	D
BT FERMENTED PRODUCTS		BT FUNGI	
SOYBEAN PRODUCTS			
Mites		MONILOCHAETES	D
USE ACARINA		UF Sweet potato scurf	
		BT FUNGI	
MITOCHONDRIA	B	Monocropping	
BT CYTOPLASMIC ORGANELLES		USE MONOCULTURE	

MONOCULTURE	E	MULCHES	E
SN Repeated growing of the same crop on the same land		NT STRAW MULCHES	
UF Monocropping		RT MULCHING	
BT CROPPING SYSTEMS			
MONOSOMICS	B	MULCHING	F
BT ANEUPLOIDY		BT CULTIVATION	
		RT MULCHES	
MOROCCO	I	Multicropping	
BT AFRICA		USE MULTIPLE CROPPING	
MORPHACTINS	B	MULTIPLE CROPPING	E
BT GROWTH INHIBITORS		SN The growing of two or more crops consecutively on the same field in the same year	
		UF Multicropping	
MORPHOGENESIS	B	BT CROPPING SYSTEMS	
BT EMBRYONIC DEVELOPMENT			
NT PHOTOMORPHOGENESIS		MUNGBEAN CULTIVARS	A
RT PLANT MORPHOLOGY		BT CULTIVARS	
MORPHOLOGICAL CHARACTERS	C	MUNGBEAN MOSAIC VIRUS	D
BT AGRONOMIC CHARACTERS		SN This virus is considered to be a strain of bean common mosaic virus by some authorities	
NT POD CHARACTERS		UF M-BCMV	
SPECIFIC LEAF WEIGHT		MMV	
Moth bean		BT VIRUSES	
USE VIGNA ACONITIFOLIA		RT BEAN COMMON MOSAIC VIRUS	
Moths			
USE LEPIDOPTERA			
MOULDS	D	MUNGBEAN MOTTLE VIRUS	D
BT FUNGAL DISEASES		BT VIRUSES	
NT GREY MOULD			
RT SYMPTOMS		MUNGBEAN SCAB	D
		BT SCABS	
MOUNTAIN CLIMATE	E	MUNGBEAN YELLOW MOSAIC VIRUS	D
BT CLIMATE		BT VIRUSES	
MOZAMBIQUE	I	MUNGBEAN YELLOW MOTTLE VIRUS	D
BT AFRICA		BT VIRUSES	
MUHLENBERGIA	A		
BT GRAMINEAE			

MUNGBEANS	E	Mutualism USE SYMBIOSIS	
UF Bean (mung) Golden gram Gram (golden or green) Green gram BT GRAIN LEGUMES VEGETABLE LEGUMES RT VIGNA RADIATA		MYCELIUM BT PLANT ANATOMY RT MYCORRHIZAE	E
MUSCIDAE BT DIPTERA	D	MYCOLEPTODISCUS BT FUNGI RT ROOT ROTS	D
Mushrooms (edible) USE EDIBLE FUNGI		MYCOPLASMA-LIKE DISEASES UF Machismo O disease Witches' broom disease BT DISEASES NT PHYLLODY	D
Mustard (Abyssinian or Ethiopian) USE ETHIOPIAN MUSTARD		MYCOPLASMA-LIKE ORGANISMS UF MLO BT MYCOPLASMATALES	D
Mustard (black) USE BLACK MUSTARD		MYCOPLASMATALES BT BACTERIA NT MYCOPLASMA-LIKE ORGANISMS	D
Mustard (Chinese or Indian) USE LEAF MUSTARD		MYCORRHIZAE SN A symbiotic, largely non-pathogenic association between a fungus and the roots of a plant RT FUNGI MYCELIUM ROOTS	B
Mustard (white) USE WHITE MUSTARD		MYCORRHIZAL FUNGI BT FUNGI	D
Mutagenesis USE MUTATION		Mycoses USE FUNGAL DISEASES	
MUTAGENS BT AGRICULTURAL CHEMICALS NT COLCHICINE RT MUTATION	E	MYCOSPHAERELLA BT FUNGI	D
MUTANTS BT PLANT TYPES RT CHIMERAS MUTATION	C		
MUTATION UF Mutagenesis BT GENETICS NT INDUCED MUTATION SPONTANEOUS MUTATION RT GENETIC DISORDERS MUTAGENS MUTANTS	C		

MYROTHECIUM BT FUNGI	D	NATIONAL INCOME BT INCOME RT MACROECONOMICS	G
MYTHIMNA BT LEPIDOPTERA	D	NATTO BT FERMENTED PRODUCTS SOYBEAN PRODUCTS	F
MYZUS BT APHIDS NT MYZUS PERSICAE	D	NATURAL DISASTERS BT INJURIOUS FACTORS NT DROUGHT FLOODING STORMS	D
MYZUS PERSICAE BT MYZUS	D		
N USE NITROGEN		NATURAL DISTRIBUTION BT BIOGEOGRAPHY	A
NAA UF Naphthylacetic acid BT AUXINS	B	NATURAL ENEMIES SN Parasites, predators or others whose activities tend to limit populations of pest species PT BIOLOGICAL COMPETITION BIOLOGICAL CONTROL ORGANISMS PREDATORS	D
NAMIBIA UF South West Africa BT AFRICA	I		
NAPHTHALENE ACETAMIDE BT AUXINS	B	Natural light USE DAYLIGHT	
NAPHTHENIC ACID BT AUXINS	B	Natural mutation USE SPONTANEOUS MUTATION	
NAPHTHOXYACETIC ACID BT AUXINS	B	NATURAL RESOURCES NT ENERGY SOURCES GENETIC RESOURCES	C
Naphthylacetic acid USE NAA		NATURAL SELECTION BT EVOLUTION SELECTION	A
Nastic movements USE TROPISMS			
NASTURTIUM BT CRUCIFERAE	A	Navy bean USE KIDNEY BEANS	
		NECTAR BT PLANT SECRETIONS RT NECTARIES	B

NECTARIES	B	NEONOTONIA WIGHTII	A
BT GLANDS		UF Glycine javanica	
RT NECTAR		Glycine wightii	
		BT LEGUMINOSAE	
Nema			
USE NEMATODES			
NEMATICIDES	E	NEOTOXOPTERA	D
BT PESTICIDES		BT APHIDS	
NEMATODES	D	NEPAL	I
UF Eelworms		BT ASIA	
Nema			
Plant nematodes		NEPHOTETTIX	D
Roundworms		BT HOMOPTERA	
BT INVERTEBRATES			
NOXIOUS ANIMALS		NET ASSIMILATION RATE	PE
NT ACUARIA		BT ASSIMILATION	
AMIDOSTOMUM			
APHELENCHOIDES		NETHERLANDS	I
APHELENCHUS		UF Holland	
BELONOLAIMUS		BT EUROPE	
CRICONEMOIDES			
DITYLENCHUS		NEW SPECIES	A
HELICOTYLENCHUS		BT SPECIES	
HETERODERA			
HOPLOLAIMUS		NEW ZEALAND	J
LONGIDORUS		BT OCEANIA	
MACROPOSTHONIA			
MELOIDOGYNE		New Zealand spinach	
PRATYLENCHUS		USE TETRAGONIA	
ROTYLENCHULUS			
ROTYLENCHUS		NEZARA	D
TRICHODORUS		BT HETEROPTERA	
TYLENCHORHYNCHUS			
TYLENCHULUS		Niacin	
TYLENCHUS		USE NICOTINAMIDE	
XIPHINEMA			
NEMATOSPORA	D	NICARAGUA	I
BT FUNGI		BT CENTRAL AMERICA	
RT YEAST SPOT			
NEOCOSMOSPORA	D	NICKEL	K
BT FUNGI		BT ELEMENTS	
RT STEM ROTS			

NICOTIANA	A	NITRATES	F
BT SOLONACEAE		BT SALTS	
NT NICOTIANA BENTHAMIANA			
NICOTIANA GLUTINOSA		NITROGEN	B
NICOTIANA SYLVESTRIS		UF N	
NICOTIANA TABACUM		BT ELEMENTS	
NICOTIANA BENTHAMIANA	AD	NITROGEN FERTILIZERS	E
BT INDICATOR HOST PLANTS		BT FERTILIZERS	
NICOTIANA		NT UREA	
NICOTIANA GLUTINOSA	AD	NITROGEN FIXATION	B
BT INDICATOR HOST PLANTS		BT PHYSIOLOGY	
NICOTIANA		RT INOCULATION	
NICOTIANA SYLVESTRIS	AD	NITROGEN-FIXING BACTERIA	
BT INDICATOR HOST PLANTS		ROOT NODULATION	
NICOTIANA			
NICOTIANA TABACUM	AD	NITROGEN-FIXING BACTERIA	D
UF Tobacco		BT BACTERIA	
BT INDICATOR HOST PLANTS		RT INOCULATION	
NICOTIANA		NITROGEN FIXATION	
NICOTINAMIDE	B	NO-TILL PLANTERS	H
UF Niacin		BT PLANTERS	
BT B VITAMINS		RT ZERO TILLAGE	
NICOTINE	B	NODES	B
BT ALKALOIDS		BT STEMS	
		Nodule formation	
		USE ROOT NODULATION	
NIGER	I	NOMENCLATURE	A
BT AFRICA		BT TAXONOMY	
		RT IDENTIFICATION	
NIGERIA	I	NON-HEADING CABBAGE	E
BT AFRICA		BT CABBAGE TYPES	
NIGHT SOIL	E	Nontillage	
BT MANURES		USE ZERO TILLAGE	
NIGROSPORA	D		
BT FUNGI			

NORTH AMERICA	I	NUCLEIC COMPOUNDS	F
BT AMERICA		BT ORGANIC COMPOUNDS	
NT CANADA		NT NUCLEIC ACIDS	
MEXICO		NUCLEOSIDES	
USA		NUCLEOTIDES	
		PURINE BASES	
		PYRIMIDINE BASES	
NORTH KOREA	I	RT PROTEINS	
UF Korea (People's Republic)			
BT ASIA			
		NUCLEOLUS	F
		BT NUCLEUS	
NOXIOUS ANIMALS	D		
BT PESTS		NUCLEOPLASM	B
NT NEMATODES		BT PROTOPLASM	
NOXIOUS BIRDS		RT CYTOPLASM	
NOXIOUS MAMMALS			
NOXIOUS MOLLUSCS			
PEST INSECTS			
RT ANIMALS		NUCLEOPROTEINS	B
		BT PROTEINS	
NOXIOUS BIRDS	D		
BT NOXIOUS ANIMALS		NUCLEOSIDES	B
RT BIRDS		BT NUCLEIC COMPOUNDS	
		NT ADENOSINE	
		CYTIDINE	
NOXIOUS MAMMALS	D	GUANOSINE	
BT NOXIOUS ANIMALS		THYMIDINE	
NT RODENTS		URACIL	
NOXIOUS MOLLUSCS	D	NUCLEOTIDES	F
UF Slugs and snails		BT NUCLEIC COMPOUNDS	
(injurious)		RT NUCLEIC ACIDS	
BT NOXIOUS ANIMALS			
RT MOLLUSCS			
		NUCLEUS	F
NUCELLUS	B	BT CELL STRUCTURE	
BT OVULES		NT CHROMOSOMES	
		NUCLEOLUS	
		RT CELL DIVISION	
		PROTOPLASM	
NUCLEIC ACIDS	B		
BT NUCLEIC COMPOUNDS		NUCLEUS SUBSTITUTION	C
NT DNA		BT PLANT BREEDING	
RNA			
RT NUCLEOTIDES			
		NULLISOMICS	B
		BT ANEUPLOIDY	

NUT CROPS	E	NUTRITION PHYSIOLOGY	BE
BT CROPS		RT NUTRITION	
NT PEANUTS		PHYSIOLOGY	
		NT ASSIMILATION	
		NUTRIENT TRANSPORT	
NUTRIENT AVAILABILITY	E	NUTRIENT UPTAKE	
BT SOIL FERTILITY		PT BIOSYNTHESIS	
RT DEFICIENCY DISORDERS		METABOLISM	
		WATER UPTAKE	
NUTRIENT CONTENT	F		
BT COMPOSITION		NUTRITIONAL DISORDERS	D
NT NUTRIENT IMPROVEMENT		BT DISORDERS	
RT CARBOHYDRATES		NT DEFICIENCY DISORDERS	
ELEMENTS		RT PHYSIOLOGICAL DISORDERS	
FATS			
LIPIDS		NUTRITIVE VALUE	F
MINERALS		BT COMPOSITION	
PROTEINS		NT DIGESTIBILITY	
		RT HUMAN NUTRITION	
NUTRIENT IMPROVEMENT	F	QUALITY	
BT NUTRIENT CONTENT			
		NVRS	C
NUTRIENT REQUIREMENTS	E	SN National Vegetables	
BT PLANT NUTRITION		Research Station (UK)	
NT WATER REQUIREMENTS		BT AGRICULTURAL RESEARCH	
RT DEFICIENCY DISORDERS		CENTRES	
NUTRIENT TRANSPORT	BE	OCCUPATIONAL HEALTH	G
BT NUTRITION PHYSIOLOGY		UF Safety	
RT NUTRIENT UPTAKE		BT PUBLIC HEALTH	
OSMOSIS			
TRANSLOCATION		OCCUPATIONS	G
		NT FARMERS	
NUTRIENT UPTAKE	BE	PLANT BREEDERS	
BT NUTRITION PHYSIOLOGY			
RT ABSORPTION			
NUTRIENT TRANSPORT		OCEANIA	I
WATER UPTAKE		NT AUSTRALIA	
		FIJI	
NUTRITION	E	NEW ZEALAND	
NT HUMAN NUTRITION		PAPUA NEW GUINEA	
NUTRITION PHYSIOLOGY		SAMOA	
PLANT NUTRITION			
		OEBIA	D
		BT LEPIDOPTERA	

OIDIUM	D	OCTHECA	D
BT FUNGI		BT COLEOPTERA	
RT POWDERY MILDEWS			
OIL CROPS	E	OPEN POLLINATION	E
BT CROPS		BT POLLINATION	
NT BLACK MUSTARD			
RAPE		OPHIOMYIA	D
SOYBEANS		BT AGPOMYZIDAE	
WHITE MUSTARD			
RT OIL PRODUCTS		OPHIONECTRIA	D
		BT FUNGI	
OIL PRODUCTS	F		
BT PRODUCTS		OPTICAL PROPERTIES	E
NT EDIBLE OILS		BT CHEMICOPHYSICAL PROPERTIES	
RT OIL CROPS		NT COLOUR	
OILS INDUSTRY			
OILS INDUSTRY	F	ORGANIC ACID SALTS	E
BT INDUSTRY		BT ORGANIC COMPOUNDS	
RT OIL PRODUCTS			
PROCESSING INDUSTRY		ORGANIC ACIDS	E
OKRA	E	UF Acid (organic)	
UF Gumbo		BT ORGANIC COMPOUNDS	
Lady's fingers		NT AMINO ACIDS	
BT FRUIT VEGETABLES		CITRIC ACID	
RT HIBISCUS ESCULENTUS		FATTY ACIDS	
OKRA MOSAIC VIRUS	D		
BT VIRUSES			
OLEIC ACID	B		
BT UNSATURATED FATTY ACIDS			
ON-FARM CONSUMPTION	G		
BT CONSUMPTION			
ONION YELLOW DWARF VIRUS	D		
BT VIRUSES			
ONIONS	E		
BT BULBOUS VEGETABLES			
RT ALLIUM			

ORGANIC COMPOUNDS NT ALDEHYDES ALKALOIDS AMMONIUM COMPOUNDS AROMATICS CARBOHYDRATES ENZYMES HORMONES HYDROCARBONS HYDROXY COMPOUNDS KETONES LIPIDS NUCLEIC COMPOUNDS ORGANIC ACID SALTS ORGANIC ACIDS PROTEINS PURINES PYRIMIDINES STEROIDS UREA VITAMINS RT AGRICULTURAL CHEMICALS CHEMISTRY INORGANIC COMPOUNDS	B	ORTHONIL BT AUXINS	B
ORGANIC SOILS BT CHEMICAL SOIL TYPES	E	ORTHOPTERA UF Crickets Grasshoppers Locusts BT INSECTS NT ACHETA BRACHYTRUPES GRYLLOTALPA LOCUSTA LOXORLEMMUS MELANOPLUS SCAPSIPEDUS SCHISTOCEPCA TELEOGRYLLUS ORYZA UF Rice BT GRAMINEAE PT CERFALS	D
ORGANIZATIONS UF Associations Institutions NT AGRICULTURAL RESEARCH CENTRES ASEAN BUSINESS ORGANIZATIONS CGIAR GOVERNMENTS UNITED NATIONS	G	ORYZAEPHILUS BT COLEOPTERA	D
ORGANOLEPTIC PROPERTIES BT CHEMICOPHYSICAL PROPERTIES NT FLAVOUR PALATABILITY SMELL	B	OSMOSIS BT PHYSIOLOGY RT NUTRIENT TRANSPORT TRANSLOCATION WATER UPTAKE OSTRINIA UF Corn earworm BT LEPIDOPTERA	E
ORNITHINE BT AMINO ACIDS	B	OUTREACH PROGRAMMES SN Of AVRDC BT EXTENSION ACTIVITIES RT TRAINING OVARIES BT PISTILS NT OVULES	G

OVULES	B	Pak choi	
BT OVARIES		USE CHINESE WHITE CABBAGE	
NT NUCELLUS		Pak tsoi	
RT GAMETES		USE CHINESE WHITE CABBAGE	
OWNERSHIP	G	PAKISTAN	J
BT TENURE		BT ASIA	
OXIDATION	B	PALATABILITY	H
BT CHEMICOPHYSICAL PROPERTIES		BT ORGANOLEPTIC PROPERTIES	
RT OXYGEN		RT EATING QUALITY	
OXIDES	B	PALMAE	A
BT SALTS		BT PLANTS	
NT CARBON DIOXIDE			
OXYGEN	B	PALMITIC ACID	B
BT ELEMENTS		BT SATURATED FATTY ACIDS	
RT OXIDATION			
OZONE		PANAMA	J
		BT CENTRAL AMERICA	
OZONE	B	PANICUM	A
BT GASES		BT GRAMINEAE	
RT OXYGEN			
P		PANTOTHENIC ACID	H
USE PHOSPHORUS		BT B VITAMINS	
PACHYRRHIZUS	A	Papilionoideae	
UF Bean (yam)		USE LEGUMINOSAE	
Yam bean			
BT LEGUMINOSAE		PAPUA NEW GUINEA	I
		BT OCEANIA	
PACKAGING	F	PARAGUAY	I
NT BOTTLING		BT SOUTH AMERICA	
CANNING			
VACUUM PACKING			
PADDY SOILS	E	PARASITES	D
BT ANTHROPOGENIC SOIL TYPES		BT PARASITISM	
		NT PARASITIC PLANTS	
PAECILOMYCES	D	RT EPIPHYTES	
BT FUNGI		MICROORGANISMS	

PARASITIC PLANTS	D	PATHOLOGY	D
SN Parasitic higher or vascular plants		NT PLANT PATHOLOGY	
BT INJURIOUS FACTORS		RT PATHOGENS	
PARASITES			
RT PLANTS		Pea (asparagus)	
WEEDS		USE WINGED BEANS	
PARASITISM	D	Pea (chick)	
BT BIOLOGICAL COMPETITION		USE CHICKPEAS	
NT HOSTS			
PARASITES		Pea (cow)	
		USE COWPEAS	
PARENCHYMA	B	Pea (Egyptian)	
BT PLANT TISSUES		USE CHICKPEAS	
NT MESOPHYLL			
		Pea (gram)	
		USE CHICKPEAS	
PART-TIME FARMING	E	Pea (marble)	
BT FARMING SYSTEMS		USE COWPEAS	
PARTHENOCARPY	B	Pea (pigeon)	
SN Producing fruit without seeds		USE CAJAN	
BT ASEXUAL REPRODUCTION			
		Pea (southern)	
		USE COWPEAS	
PARTHENOGENESIS	B	PEA ENATION MOSAIC VIRUS	D
SN Development of gamete into a new plant without fertilization		RT VIRUSES	
BT ASEXUAL REPRODUCTION			
RT APOMIXIS		PEANUT MOTTLE VIRUS	F
		UF PMV	
		BT VIRUSES	
PASPALUM	A	PEANUT STUNT VIRUS	D
BT GRAMINEAE		BT VIRUSES	
PASTEURIZING	F	PEANUTS	E
BT PROCESSING		UF Groundnuts	
		BT NUT CROPS	
		RT ARACHIS	
PATHOGENS	D	Peas	
BT ETIOLOGY		USE PISUM SATIVUM	
NT SEED-BORNE PATHOGENS			
SOIL-BORNE PATHOGENS			
RT MICROORGANISMS			
PATHOLOGY		PEDICELS	B
		BT INFLORESCENCES	

Pedology			
USE SOIL SCIENCES		PERONOSPORA MANSHURICA	D
		BT PERONOSPORA	
PENICILLIUM	D	Persistence (pesticide)	
BT FUNGI		USE PESTICIDE PERSISTENCE	
PENNISETUM	A	PEPU	I
BT GRAMINEAE		BT SOUTH AMERICA	
PENTALONIA	D	PEST CONTROL	D
BT APHIDS		UF Pest management	
		PM	
People's Republic of China		BT CONTROL OF INJURIOUS	
USE CHINA		FACTORS	
People's Republic of the Congo		NT INSECT CONTROL	
USE CONGO		INTEGRATED PEST MANAGEMENT	
		STOPPED PRODUCTS PEST	
		CONTROL	
PEPPER MOTTLE VIRUS	D	PEST INSECTS	D
BT VIRUSES		BT NOXIOUS ANIMALS	
PEPTIDASES	B	NT CHEWING INSECTS	
BT HYDROLASES		SUCKING INSECTS	
		PT INSECTS	
PERENNIAL	E	Pest management	
BT PERIODICITY		USE PEST CONTROL	
PERENNIAL WEEDS	D	PEST RESISTANCE	CI
BT WEEDS		SN Resistance to pests	
		BT RESISTANCE TO INJURIOUS	
		FACTORS	
PERIODICITY	E	RT PESTS	
BT TIMING			
NT ANNUAL		PESTALOTJA	D
PERENNIAL		BT FUNGI	
SEASONS			
PERMEABILITY	B	PESTICIDE PERSISTENCE	E
BT CHEMICOPHYSICAL PROPERTIES		UF Persistence (pesticide)	
RT CELL MEMBRANE PHYSIOLOGY		RT PESTICIDE RESIDUES	
		PESTICIDE SCREENING	
PERONOSPORA	D	PESTICIDE RESIDUES	DF
BT FUNGI		BT RESIDUES	
NT PERONOSPORA MANSHURICA		TOXIC SUBSTANCES	
RT DOWNY MILDEWS		RT PESTICIDE PERSISTENCE	
		PESTICIDES	

PESTICIDE RESISTANCE	D	PHAKOPSORA PACHYRHIZI	D
SN Resistance of pests to pesticides		BT PHAKOPSORA	
BT RESISTANCE		RT RUSTS	
PESTICIDE SCREENING	E	PHASED PLANTING	E
BT EVALUATION		BT PLANTING	
RT PESTICIDE PERSISTENCE			
PESTICIDES	E	PHASEOLUS	A
BT AGRICULTURAL CHEMICALS		BT LEGUMINOSAE	
NT ACARICIDES		NT PHASEOLUS ACUTIFOLIUS	
FUNGICIDES		PHASEOLUS COCCINEUS	
INSECTICIDES		PHASEOLUS LUNATUS	
MOLLUSCICIDES		PHASEOLUS VULGARIS	
NEMATICIDES			
RODENTICIDES		Phaseolus aconitifolia	
RT CHEMICAL CONTROL		USE VIGNA ACONITIFOLIA	
PESTICIDE RESIDUES			
PESTS	D	PHASEOLUS ACUTIFOLIUS	A
BT INJURIOUS FACTORS		UF Bean (tepary)	
NT NOXIOUS ANIMALS		Tepary bean	
STORED PRODUCTS PESTS		BT PHASEOLUS	
RT PEST RESISTANCE			
PETIOLES	B	Phaseolus angularis	
BT LEAVES		USE VIGNA ANGULARIS	
Petsai			
USE CHINESE WHITE CABBAGE		Phaseolus aureus	
		USE VIGNA RADIATA	
PH	B	Phaseolus calcaratus	
UF Acidity		USE VIGNA UMBELLATA	
Alkalinity			
BT CHEMICOPHYSICAL PROPERTIES		PHASEOLUS COCCINEUS	A
NT ACID BASE EQUILIBRIUM		UF Bean (scarlet runner)	
		Scarlet runner bean	
		BT PHASEOLUS	
PHAEDON	D	Phaseolus cylindricus	
BT COLEOPTERA		USE VIGNA UNGUICULATA BIFLORA	
Phaeophyceae			
USE ALGAE		Phaseolus glaber	
		USE VIGNA GLABRESCENS	
PHAKOPSORA	D		
BT FUNGI			
NT PHAKOPSORA PACHYRHIZI			

PHASEOLUS LUNATUS	A	Phialophora stem rot	
UF Bean (butter)		USE BROWN STEM ROT	
Bean (Lima)			
Bean (sieva)		PHILIPPINES	I
Butter bean		BT ASIA	
Lima bean		PT ASEAN	
Sieva bean			
BT PHASEOLUS			
Phaseolus mungo		PHLOEM	E
USE VIGNA MUNGO		BT VASCULAR BUNDLES	
Phaseolus mungo var. glaber			
USE VIGNA GLABRESCENS		PHOMA	D
		BT FUNGI	
Phaseolus palmatus			
USE VIGNA ACONITIFOLIA		PHOMOPSIS	D
Phaseolus pubescens		SN Anamorph (imperfect	
USE VIGNA UMBELLATA		state) of Diaporthe	
		BT FUNGI	
Phaseolus radiatus		RT DIAPORTHE	
USE VIGNA RADIATA		POD AND STEM BLIGHT	
Phaseolus riccardianus			
USE VIGNA UMBELLATA		PHOSPHATE FERTILIZERS	FF
Phaseolus torosus		BT FERTILIZERS	
USE VIGNA UMBELLATA		PHOSPHATES	
		NT DICALCIUM PHOSPHATE	
		SUPERPHOSPHATE	
PHASEOLUS VULGARIS	AD	PHOSPHATES	E
BT INDICATOR HOST PLANTS		BT SALTS	
PHASEOLUS		NT PHOSPHATE FERTILIZERS	
RT KIDNEY BEANS			
PHASMIDA	D	PHOSPHOLIPIDS	B
UF Stick-insects		BT LIPIDS	
BT INSECTS			
PHENYLALANINE	B	PHOSPHORUS	B
BT AMINO ACIDS		UF P	
		BT ELEMENTS	
PHEROMONES	B	PHOTOCHEMISTRY	F
BT HORMONES		BT CHEMISTRY	
RT SEX ATTRACTANTS		RT BIOCHEMISTRY	
		PHOTORESPIRATION	
		PHOTOSYNTHESIS	
PHIALOPHORA	D		
BT FUNGI		PHOTOMORPHOGENESIS	B
RT BROWN STEM ROT		BT MORPHOGENESIS	

PHOTOPERIOD	B	PHYLLODY	C
UF Dark period		BT MYCOPLASMA-LIKE DISEASES	
Daylength			
BT PHOTOPERIODISM			
NT LONG DAY		PHYLLOPHAGA	D
SHORT DAY		BT COLFOPTERA	
Photoperiodicity			
USE PHOTOPERIODISM		PHYLLOSTICTA	D
		BT FUNGI	
		RT LEAF SPOTS	
PHOTOPERIODISM	B		
UF Photoperiodicity		PHYLLOTRETA	D
BT FLOWER INDUCTION		BT COLEOPTERA	
PHYSIOLOGY		NT PHYLLOTRETA STRIOLATA	
NT PHOTOPERIOD			
RT VERNALIZATION			
		PHYLLOTRETA STRIOLATA	C
PHOTORESPIRATION	B	UF Cabbage flea beetle	
BT RESPIRATION		Striped flea beetle	
RT PHOTOCHEMISTRY		BT PHYLLOTRETA	
		Phylogenesis	
PHOTOSENSITIVITY	B	USE PHYLOGENY	
BT CHEMICOPHYSICAL PROPERTIES			
RT LIGHT		PHYLOGENY	A
		UF Phylogenesis	
PHOTOSYNTHESIS	B	Speciation	
BT BIOSYNTHESIS		BT EVOLUTION	
NT DARK REACTIONS		RT SPECIES	
LIGHT REACTIONS			
RT CHLOPOPLASTS		PHYSALIS	A
PHOTOCHEMISTRY		BT SOLONACEAE	
Photosynthetic action spectrum			
USE LIGHT QUALITY		PHYSICAL CONTROL	D
Photosynthetic pigments		SN Use of screens, barriers,	
USE PIGMENTS		reflective surfaces and	
		manual methods to control	
Phototropism		pests and other injurious	
USE TROPISMS		factors	
		BT CONTROL METHODS	
PHTHIRAPTERA	D	NT WINDBREAKS	
UF Lice		RT MANUAL METHODS	
BT INSECTS			
		Physical properties	
PHTHORIMAEA	D	USE CHEMICOPHYSICAL PROPERTIES	
BT LEPIDOPTERA			
		PHYSICAL STATES	B
		NT GASES	

PHYSIOLOGICAL DISORDERS
 BT DISORDERS
 NT DEHYDRATION
 GROWTH DISORDERS
 HEAT STRESS
 METABOLIC DISORDERS
 SALT STRESS
 RT NUTRITIONAL DISORDERS

Physiological functions
 USE PHYSIOLOGY

PHYSIOLOGY
 UF Physiological functions
 NT ADAPTATION
 AGING
 BIOLOGICAL DEVELOPMENT
 BIOSYNTHESIS
 CELL DIVISION
 CELL MEMBRANE PHYSIOLOGY
 EXCRETION
 METABOLISM
 NITROGEN FIXATION
 NUTRITION PHYSIOLOGY
 OSMOSIS
 PHOTOPERIODISM
 REPRODUCTION
 RESPIRATION
 RESTING
 SECRETION
 TRANSLOCATION
 TRANSPIRATION
 TROPISMS
 WATER BALANCE
 WATER UPTAKE
 RT BIOCHEMISTRY
 BIOLOGY

Phytochemistry
 USE BIOCHEMISTRY

PHYTOCHROME
 BT PIGMENTS

Phytogeography
 USE BIOGEOGRAPHY

Phytokinins
 USE CYTOKININS

D

PHYTOMYZA
 BT AGROMYZIDAE

D

PHYTOPHTHORA
 BT FUNGI
 NT PHYTOPHTHORA INFESTANS
 PHYTOPHTHORA MEGASPERMA
 PT ROTS

D

PHYTOPHTHORA INFESTANS
 BT PHYTOPHTHORA

D

PHYTOPHTHORA MEGASPERMA
 BT PHYTOPHTHORA

D

PHYTOSANITARY REGULATIONS
 BT LEGAL ASPECTS
 PT GERMPLASM EXCHANGES

G

Phytotoxicity
 USE TOXICITY

PICKING
 BT HARVESTING

F

PICKLED PRODUCTS
 BT PRODUCT GROUPS

F

PIEPIS
 BT LEPIDOPTERA
 NT PIERIS BRASSICAE
 PIERIS CANIDIA
 PIEPIS CRUCIVORA
 PIERIS MELETE
 PIERIS NAPI
 PIERIS RAPAE

D

B

PIERIS BRASSICAE
 BT PIERIS

D

PIERIS CANIDIA
 BT PIERIS

D

PIERIS CRUCIVORA BT PIERIS	D	PISUM SATIVUM UF Peas RT PISUM	A
PIERIS MELETE BT PIERIS	D	PLACEMENT BT FERTILIZER APPLICATION NT BAND PLACEMENT	E
PIERIS NAPI BT PIERIS	D	PLACENTA BT EMBRYO	P
PIERIS RAPAE BT PIERIS	D	PLANNING NT CENTRAL PLANNING RT ADMINISTRATION	G
PIEZODORUS BT HETEROPTERA	D	PLANOCOCCUS BT HOMOPTERA	D
Pigeon peas USE CAJAN			
PIGMENTS UF Photosynthetic pigments NT CAROTENOIDS CHLOROPHYLLS PHYTOCHROME XANTHOPHYLLS	B	PLANT ANATOMY UF Anatomy (plant) NT BUDS CANOPY FRUIT GLANDS INFLORESCENCES LEAVES MYCELIUM PLANT HAIRS PLANT VASCULAR SYSTEM ROOTS SAP SEEDS SPORES SPOROPHORES STEMS RT DIFFERENTIATION PLANT MORPHOLOGY PLANT SECRETIONS PLANT TISSUES	E
Pigs USE SWINE			
Pinching USE DISBUDDING			
Pineapple USE ANANAS			
PISTILS UF Carpels Stigmas Styles BT GYNOECIUM NT OVARIES	B	Plant architecture USE PLANT MORPHOLOGY	
PISUM BT LEGUMINOSAE NT PISUM SATIVUM	A	Plant biology USE BOTANY	
		PLANT BREEDERS RT OCCUPATIONS	G

PLANT BREEDING	C	PLANT ECOLOGY	F
SN Controlled improvement in selected characters of plants		BT BOTANY	
NT BREEDING AIMS		ECOLOGY	
BREEDING BARRIERS		NT EDAPHIC FACTORS	
CHROMOSOME MANIPULATION			
COMBINING ABILITY		PLANT EMASCULATION	C
CROSSBREEDING		BT PLANT BREEDING	
GERMPLASM CHARACTERIZATION			
INBREEDING		PLANT ESTABLISHMENT	F
ISOLATION TECHNIQUE		BT PLANT PRODUCTION	
NUCLEUS SUBSTITUTION			
PLANT EMASCULATION		PLANT GALLS	D
PROGENY TESTING		BT SYMPTOMS	
RECOMBINATION			
SEGREGATION			
SELECTION		PLANT GROWTH SUBSTANCES	F
SELFING		UF Hormones (plant)	
RT BREEDERS RIGHTS		Plant hormones	
BREEDING LINES		NI ANTIMETABOLITES	
GENETICS		AUXINS	
INHERITANCE		CYTOKININS	
PLANT PROPAGATION		DORMANCY BREAKERS	
REPRODUCTION		ETHEPHON	
TISSUE CULTURE		ETHYLENE	
		GA	
PLANT DEVELOPMENTAL STAGES	B	GERMINATION INHIBITORS	
BT DEVELOPMENTAL STAGES		GROWTH INHIBITORS	
NT ABSCISSION		RT AGRICULTURAL CHEMICALS	
BRANCHING		HORMONE SPRAYS	
DEHISCENCE		HORMONES	
DORMANCY			
EMERGENCE		PLANT HABIT	b
FLOWERING		UF Growth habit	
FRUITING		BT PLANT MORPHOLOGY	
GERMINATION		NT CANOPY SHAPE	
HEAD FORMATION		ERECTNESS	
ROOTING		LEAF ANGLE	
SEED DISPERSAL		RT DWARFS	
SEEDLINGS			
SPORES		PLANT HAIRS	F
STEM ELONGATION		UF Trichomes	
TILLERING		BT PLANT ANATOMY	
ZYGOTES		NT LEAF PURESCE	
Plant disease manifestations		ROOT HAIRS	
USE SYMPTOMS			
Plant diseases		Plant hormones	
USE DISEASES		USE PLANT GROWTH SUBSTANCES	

PLANT INTRODUCTION	A	PLANT PROPAGATION	C
BT BIOGEOGRAPHY		UF Propagation (plant)	
RT GERMPLASM COLLECTION		NT VEGETATIVE PROPAGATION	
GERMPLASM EXCHANGES		RT CULTIVATION	
		PLANT BREEDING	
		PLANT PRODUCTION	
		PROPAGATION MATERIALS	
		REPRODUCTION	
		TISSUE CULTURE	
PLANT MORPHOLOGY	B		
UF Architecture (plant)			
Plant architecture			
Plant structure			
Structure (plant)			
NT PLANT HABIT		PLANT PROTECTION	D
RT MORPHOGENESIS		UF Crop protection	
PLANT ANATOMY		NT CONTROL OF INJURIOUS	
		FACTORS	
		DISEASE PREVENTION	
Plant nematodes		RT CULTIVATION	
USE NEMATODES		PROTECTED CULTIVATION	
PLANT NURSERIES	E	PLANT RESIDUES	F
BT PLANT PRODUCTION		UF Crop residues	
		BT RESIDUES	
PLANT NUTRITION	E	PLANT SECRETIONS	F
BT NUTRITION		NT NECTAR	
NT NUTRIENT REQUIREMENTS		RT ALLELOPATHY	
		GLANDS	
PLANT PATHOLOGY	BD	PLANT ANATOMY	
BT BOTANY		SECRETION	
PATHOLOGY			
PLANT POPULATION DENSITY	E	Plant structure	
RT SEEDING RATE		USE PLANT MORPHOLOGY	
SPACING			
THINNING			
PLANT PRODUCTION	E	PLANT TISSUES	F
UF Crop production		NT COLLENCHYMA	
BT PRODUCTION		CORTEX	
NT PLANT ESTABLISHMENT		CUTICLE	
PLANT NURSERIES		EPIDERMIS	
SEED PRODUCTION		MERISTEMS	
RT CULTIVATION		PARENCHYMA	
HORTICULTURE		SCLERENCHYMA	
PLANT PROPAGATION		VASCULAR TISSUES	
		RT PLANT ANATOMY	
		TISSUE CULTURE	
Plant products		PLANT TYPE IMPROVEMENT	C
USE VEGETABLE PRODUCTS		BT BREEDING AIMS	
		RT PLANT TYPES	

PLANT TYPES	C	Planting (seed)	
		USE SOWING	
UF Progeny forms			
NT CHIMERAS			
CLONES		PLANTING DATE	E
DWARFS		BT PLANTING	
ERECT TYPE		TIMING	
GIANTS			
HYBRIDS			
MANY-BRANCHED TYPE		PLANTING EQUIPMENT	F
MUTANTS		BT CULTIVATION EQUIPMENT	
RT AGRONOMIC CHARACTERS		NT PLANTERS	
PLANT TYPE IMPROVEMENT		RT PLANTING	
PLANT VASCULAR SYSTEM	B	PLANTS	A
UF Vascular system (plant)		NT AGAVACEAE	
BT PLANT ANATOMY		ALGAE	
NT VASCULAR TISSUES		ALLIACEAE	
RT TRANSLOCATION		AMARANTHACEAE	
		ARACEAE	
		BROMELIACEAE	
PLANT VEINS	B	CANNABIDACEAE	
UF Veins (plant)		CHENOPODIACEAE	
BT VASCULAR BUNDLES		COMPOSITAE	
		CONVOLVULACEAE	
Plant viruses		CRUCIFERAE	
USE VIRUSES		CUCURBITACEAE	
		CYPERACEAE	
		DIOSCOREACEAE	
PLANT WEATHERING	C	EUPHORBIACEAE	
BT AGRONOMIC CHARACTERS		GRAMINEAE	
RT LODGING RESISTANCE		LEGUMINOSAE	
TEMPERATURE RESISTANCE		LILIACEAE	
WIND RESISTANCE		MALVACEAE	
		PALMAE	
		PORTULACACEAE	
PLANTERS	H	SOLOACEAE	
BT PLANTING EQUIPMENT		TETRAGONIACEAE	
NT DRILLS		THEACEAE	
MANUAL SEEDERS		UMBELLIFERAE	
NO-TILL PLANTERS		ZINGIBERACEAE	
		RT CROPS	
Planthoppers		FUNGI	
USE HOMOPTERA		INDICATOR HOST PLANTS	
		LEGUMES	
		PARASITIC PLANTS	
PLANTING	E	SOIL FLORA	
BT CULTIVATION		WEEDS	
NT PHASED PLANTING			
PLANTING DATE			
SOWING		PLASMALEMMA	P
TRANSPLANTING		BT CELL MEMBRANES	
RT PLANTING EQUIPMENT		PT TONOPLAST	
SPACING			

PLASMODIOPHORA	D	PLUSIA	D
BT FUNGI		UF Corn semi-looper	
RT CLUBROOT		BT LEPIDOPTERA	
PLASTIC TUNNELS	H	PLUTELLA	D
BT BUILDINGS		BT LEPIDOPTERA	
		NT PLUTELLA XYLOSTELLA	
PLASTIDS	B	PLUTELLA XYLOSTELLA	D
BT CYTOPLASMIC ORGANELLES		UF Diamond-back moth	
NT CHLOROPLASTS		BT PLUTELLA	
PLATHYPENA	D	PM	
BT LEPIDOPTERA		USE PEST CONTROL	
PLENODOMUS	D	PMV	
BT FUNGI		USE PEANUT MOTTLE VIRUS	
PLEOSPHAERULINA	D	Pod abortion	
BT FUNGI		USE ABSCISSION	
PLODIA	D	POD AND STEM BLIGHT	D
BT LEPIDOPTERA		BT BLIGHTS	
		FUNGAL DISEASES	
		PT DIAPORTHE	
		PHOMOPSIS	
PLOUGHING	E	POD BORERS	D
UF Plowing		BT CHEWING INSECTS	
BT TILLAGE			
RT PLOUGHS			
PLOUGHS	H	POD CHARACTERS	C
UF Plows		BT MORPHOLOGICAL CHARACTERS	
BT CULTIVATION EQUIPMENT		RT PODS	
RT PLOUGHING		Pod setting	
Plowing		USE FRUIT SETTING	
USE PLOUGHING			
Plows		PODS	B
USE PLOUGHS		BT FRUIT	
		RT POD CHARACTERS	
PLRV		Pole bean	
USE POTATO LEAFROLL VIRUS		USE KIDNEY BEANS	
PLUMULE	B		
UF Young shoot (seed)			
BT EMBRYO			

POLICIES	G	POLLUTANTS	F
NT AGRICULTURAL POLICIES		BT INJURIOUS FACTORS	
DEVELOPMENT POLICIES		RT RESIDUES	
TRADE POLICIES			
RT GOVERNMENTS			
MACROECONOMICS			
POLLEN	B	POLYEMBRYONY	C
BT ANTHERS		BT VEGETATIVE PROPAGATION	
NT POLLEN TUBES		RT APOMIXIS	
RT GAMETES			
POLLINATION			
POLLEN COLLECTION	C	POLYPLOIDS	P
BT GERMPLASM COLLECTION		BT CHROMOSOME NUMBER	
		RT INDUCED POLYPLCIDY	
POLLEN GERMINATION	B	POLYSACCHARIDES	E
BT GERMINATION		BT CARBOHYDRATES	
RT POLLEN TUBES		NT CELLULOSES	
POLLINATION		CHITIN	
		STARCH	
POLLEN INCOMPATIBILITY	C	PORTULACACEAE	A
BT BREEDING BARRIERS		BT PLANTS	
RT SELF INCOMPATIBILITY		NT TALINUM	
STERILITY			
POLLEN STORAGE	CF	POSTHARVEST LOSSES	G
BT GERMPLASM STORAGE		BT LOSSES	
		NT HANDLING LOSSES	
		STORAGE LOSSES	
POLLEN TUBES	B	POSTHARVEST SYSTEMS	E
BT POLLEN		RT HARVESTING	
RT POLLEN GERMINATION			
POLLINATION	B	POTASH FERTILIZERS	F
BT REPRODUCTION		BT FERTILIZERS	
NT CROSS POLLINATION			
DELAYED POLLINATION			
OPEN POLLINATION			
SELF POLLINATION			
RT FERTILIZATION		POTASSIUM	E
POLLEN		UF K	
POLLEN GERMINATION		BT ELEMENTS	
POLLINATORS	D	POTASSIUM CHLORIDE	E
BT ANIMALS		BT CHLORIDES	
NT BEES			
		POTATO LEAFROLL VIRUS	D
		UF PLRV	
		BT VIRUSES	

POTATO VIRUS X	D	PRESSURE	B
UF PVX		RT CHEMICOPHYSICAL PROPERTIES	
BT VIRUSES		NT APPLIED PRESSURE	
		ROOT PRESSURE	
		TURGOR PRESSURE	
POTATO VIRUS Y	D		
UF PVY			
BT VIRUSES		PRICE FLUCTUATIONS	G
		RT PRICES	
		RT RISK AND UNCERTAINTY	
POTATOES	E		
UF European potato		PRICES	G
Irish potato		NT CONTROLLED PRICES	
BT ROOT VEGETABLES		INFLATION	
RT SOLANUM TUBEROSUM		PRICE FLUCTUATIONS	
		RT COSTS	
POULTRY	D	MACROECONOMICS	
BT DOMESTIC ANIMALS			
RT BIRDS			
		PRIMARY GROWTH	F
		RT GROWTH	
POWDERY MILDEWS	D	Primitive cultivars	
BT MILDEWS		USE LANDRACES	
RT ERYSIPE			
MICROSPHAERA			
OJDUM			
PRATYLENCHUS	D		
UF Root-lesion nematodes			
BT NEMATODES			
PRECIPITATION	E		
NT RAIN			
RT CLIMATE			
WATER SUPPLY			
PREDATION	D		
BT BIOLOGICAL COMPETITION			
RT PREDATORS			
PREDATORS	D		
RT NATURAL ENEMIES			
PREDATION			
PRESERVATION	F		
UF Conservation (food)			
RT PROCESSING			
STORAGE			

NT ACIDIFICATION
AERATION
CLEANING
COATING
COOKING
COOLING
DENATURATION
DEODORIZING
DISTILLING
DRYING
EXTRACTION
FERMENTATION
FREEZING
GRADING
HEATING
HUSKING
MILLING
PASTEURIZING
SMOKING
SOAKING
STEAMING
STERILIZING
TEXTURIZING
RT ADDITIVES
PRESERVATION
PROCESSING COSTS
PROCESSING EQUIPMENT
PROCESSING INDUSTRY
PRODUCTION
PRODUCTS

BT COSTS
RT PROCESSING

BT	EQUIPMENT
NT	COOLING EQUIPMENT
	DRYING EQUIPMENT
	HEATING EQUIPMENT
	MILLING EQUIPMENT
RT	MACHINERY
	PROCESSING

BT INDUSTRY
RT OILS INDUSTRY
PROCESSING

BT TOMATOES

NT BOTTLED PRODUCTS
CANNED PRODUCTS
DRIED PRODUCTS
FERMENTED PRODUCTS
FRESH PRODUCTS
FROZEN PRODUCTS
PICKLED PRODUCTS
SALTED PRODUCTS
RT PRODUCTS

NT ANIMAL PRODUCTION
PLANT PRODUCTION
RT INDUSTRY
PROCESSING
PRODUCTION STATISTICS
PRODUCTS

BT COSTS
RT ECONOMIES OF SCALE
PRODUCTION ECONOMICS

BT	MICROECONOMICS
NT	PRODUCTION FACTORS
	PRODUCTION FUNCTIONS
RT	ECONOMIES OF SCALE
	PRODUCTION COSTS
	PRODUCTIVITY
	PROFIT MAXIMIZATION

BT EQUIPMENT
NT CULTIVATION EQUIPMENT
DRAUGHT EQUIPMENT
IRRIGATION EQUIPMENT
RT HARVESTING EQUIPMENT
MACHINERY

PRODUCTION FACTORS	G	PROFITABILITY	G
BT PRODUCTION ECONOMICS		NT LOSSES	
NT CAPITAL		PROFIT	
LABOUR		RT PRODUCTIVITY	
LAND			
		Progenitor species	
		USE ANCESTOR SPECIES	
PRODUCTION FUNCTIONS	G	Progeny forms	
UF Cobb-Douglas function		USE PLANT TYPES	
BT PRODUCTION ECONOMICS			
PRODUCTION STATISTICS	H	PROGENY TESTING	CF
BT STATISTICS		BT EVALUATION	
RT PRODUCTION		PLANT BREEDING	
		RT YIELD TRIALS	
PRODUCTIVITY	G	PROLINE	F
RT ECONOMIES OF SCALE		BT AMINO ACIDS	
PRODUCTION ECONOMICS			
PROFITABILITY		Promiscuous nodulation	
YIELDS		USE ROOT NODULATION	
PRODUCTS	F	Propagation (plant)	
UF Commodities		USE PLANT PROPAGATION	
Produce			
NT ANIMAL PRODUCTS		PROPAGATION MATERIALS	C
BAKERY PRODUCTS		NT BUDS	
BYPRODUCTS		CUTTINGS	
OIL PRODUCTS		RATOONS	
VEGETABLE PRODUCTS		ROOTSTALK	
RT CROPS		SCIIONS	
FOODS		SEED	
PROCESSING		RT PLANT PROPAGATION	
PRODUCT GROUPS			
PRODUCTION		Properties (chemical)	
USES		USE CHEMICOPHYSICAL PROPERTIES	
PROFIT	G	Properties (physical)	
BT PROFITABILITY		USE CHEMICOPHYSICAL PROPERTIES	
NT PROFIT MAXIMIZATION			
RT LOSSES		PROTEASES	F
		BT HYDROLASES	
PROFIT MAXIMIZATION	G	PROTECTED CULTIVATION	E
BT PROFIT		BT CULTIVATION	
RT BUSINESS MANAGEMENT		NT GREENHOUSE CULTURE	
PRODUCTION ECONOMICS		RT ENVIRONMENTAL CONTROL	
		HOTBED RAISING	
		PLANT PROTECTION	

PROTEINS	B	PSOPHOCARPUS TETPAGONCLOBUS	E
BT ORGANIC COMPOUNDS		BT PSOPHOCARPUS	
NT GLUTEN		RT WINGED BEANS	
NUCLEOPROTEINS			
RT NUCLEIC COMPOUNDS		PSYLLA	D
NUTRIENT CONTENT		BT HOMOPTERA	
PROTOPLASM	B	PUBLIC ADMINISTPATION	G
BT CELL STRUCTURE		BT ADMINISTRATION	
NT CYTOPLASM		RT GOVERNMENTS	
NUCLEOPLASM			
RT NUCLEUS			
PROTOZOA	D	PUBLIC HEALTH	G
BT INVERTEBRATES		BT HEALTH	
MICROORGANISMS		NT FOOD INSPECTION	
NT CILIOPHORA		OCCUPATIONAL HEALTH	
MASTIGOPHORA		RT HYGIENE	
MICROSPORA			
SPOROZOA		PUBLIC INVESTMENT	G
RT SOIL FAUNA		BT INVESTMENT	
PRUNING	E	PUERTO RICO	I
BT CULTIVATION		RT CARIBBEAN	
PSEUDOCOCCUS	D	Pumpkins	
BT HOMOPTERA		USE CUCURBIT VEGETABLES	
PSEUDOMONACEAE	D	PUMPS	B
BT BACTERIA		BT IRRIGATION EQUIPMENT	
NT PSEUDOMONAS			
XANTHOMONAS		PURE LINES	C
PSEUDOMONAS	D	BT BREEDING LINES	
BT PSEUDOMONACEAE		RT CLONES	
RT BACTERIAL BLIGHT		CULTIVARS	
		INBRED LINES	
PSEUDOPUSIA	D	PURINE BASES	B
BT LEPIDOPTERA		BT NUCLEIC COMPOUNDS	
		NT ADENINE	
PSOPHOCARPUS	A	GUANINE	
BT LEGUMINOSAE		RT PURINES	
NT PSOPHOCARPUS			
TETRAGONOLOBUS		PURINES	B
		BT ORGANIC COMPOUNDS	
		NT XANTHOPHYLLS	
		RT PURINE BASES	

PURPLE SEED STAIN BT FUNGAL DISEASES	D	QUANTITATIVE CHARACTERS BT CHARACTERS	C
PVX USE POTATO VIRUS X		QUARANTINE BT DISEASE PREVENTION	D
PVY USE POTATO VIRUS Y		QUOTAS BT TRADE BARRIERS	G
PYRENOCHAETA BT FUNGI RT LEAF SPOTS	D	RACES UF Strains BT TAXA NT LANDRACES	A
PYRIDOXINE BT B VITAMINS	B	RADIATIONS BT RADIOACTIVITY NT GAMMA RADIATION PT LIGHT	E
PYRIMIDINE BASES BT NUCLEIC COMPOUNDS NT CYTOSINE THYMINE URACIL DERIVATIVES RT PYRIMIDINES	B	RADICLE UF Young root (seed) BT EMBRYO	E
PYRIMIDINES BT ORGANIC COMPOUNDS NT URACIL RT PYRIMIDINE BASES	B	RADIOACTIVITY BT CHEMICOPHYSICAL PROPERTIES NT RADIATIONS	E
PYTHIUM BT FUNGI RT DAMPING-OFF ROOT ROTS ROTS	D	Radish (Chinese) USE CHINESE RADISH	
Q disease USE MYCOPLASMA-LIKE DISEASES		RADISH ENATION MOSAIC VIRUS UF REMV BT VIRUSES	E
QUALITATIVE CHARACTERS BT CHARACTERS	C	RADISH MOSAIC VIRUS BT VIRUSES	D
QUALITY UF Food quality NT EATING QUALITY RT GRADING NUTRITIVE VALUE	F	RADISHES BT ROOT VEGETABLES NT CHINESE RADISH RT RAPHANUS SATIVUS	E

RAIN	E	RECESSIVE GENES	C
UF Rainfall		BT GENES	
BT PRECIPITATION			
RAIN-FED FARMING	E	RECIPROCAL CROSSING	C
BT CROPPING SYSTEMS		BT CROSSBREEDING	
Rainfall		RECIPROCAL RECURRENT SELECTION	C
USE RAIN		BT RECURRENT SELECTION	
RAISED SEEDBEDS	E	RECOMBINATION	C
UF Cambered seedbeds		SN Formation of new combinations of genes by crossing or segregation	
BT SEEDBEDS		BT PLANT BREEDING	
RAPE	E	RECURRENT SELECTION	C
BT FEED CRUCIFERS		BT SELECTION	
OIL CROPS		NT RECIPROCAL RECURRENT SELECTION	
NT RAPE GREENS			
RT BRASSICA NAPUS			
RAPE GREENS	E	RECYCLING	F
BT GREEN VEGETABLES		BT WASTE DISPOSAL	
RAPE			
RAPHANUS	A	Red beans	
BT CRUCIFERAE		USE ADZUKI BEANS	
NT RAPHANUS SATIVUS		Red gram	
		USE CAJAN	
RAPHANUS SATIVUS	A	Red peppers	
BT RAPHANUS		USE CAPSICUM ANNUUM	
NT RAPHANUS SATIVUS			
LONGIPINNATUS			
RT RADISHES		REDUCED TILLAGE	F
		BT TILLAGE	
		NT MINIMUM TILLAGE	
		ZERO TILLAGE	
RAPHANUS SATIVUS LONGIPINNATUS	A	REDUCTION	F
BT RAPHANUS SATIVUS		BT CHEMICOPHYSICAL PROPERTIES	
RT CHINESE RADISH		NT ACETYLENE REDUCTION	
Rate-reducing resistance		Reduction division	
USE HORIZONTAL RESISTANCE		USE MEIOSIS	
RATOONS	C	REGISTRATION	C
BT PROPAGATION MATERIALS		SN Of cultivars, tradenames, etc.	

RELATED WILD SPECIES	A	RESEARCH	F
BT WILD SPECIES		SN Use only for documents about research in the abstract, and not for the results of applied research	
Relative humidity		NT COMPARATIVE STUDIES	
USE HUMIDITY		DATA COLLECTION	
RELAY CROPPING	E	RESEARCH NEEDS	
UF Relay planting		RT RESEARCH EQUIPMENT	
BT CROPPING SYSTEMS			
Relay planting		RESEARCH EQUIPMENT	H
USE RELAY CROPPING		BT EQUIPMENT	
		RT RESEARCH	
RELIGIOUS ASPECTS	G		
NT FOOD TABOOS		RESEARCH NEEDS	H
SUPERSTITIONS		SN Topics requiring further research	
RT SOCIAL ASPECTS		BT RESEARCH	
REMV			
USE RADISH ENATION MOSAIC VIRUS		RESIDUAL FERTILIZER	F
Reniform nematodes		SN Fertilizer remaining in the soil following harvest of a first crop	
USE ROTYLENCHULUS		BT FERTILIZERS	
REPELLENTS	D		
UF Scares		RESIDUES	F
RT INSECT CONTROL		NT PESTICIDE RESIDUES	
Replanting		PLANT RESIDUES	
USE TRANSPLANTING		RT POLLUTANTS	
REPRODUCTION	B	RESISTANCE	D
UF Reproductive physiology		NT HORIZONTAL RESISTANCE	
BT PHYSIOLOGY		PESTICIDE RESISTANCE	
NT ASEXUAL REPRODUCTION		RESISTANCE TO INJURIOUS FACTORS	
FERTILITY		VERTICAL RESISTANCE	
FERTILIZATION		RT RESISTANCE SCREENING	
GAMETES		RESISTANCE SOURCES	
POLLINATION			
STERILITY		RESISTANCE SCREENING	E
RT PLANT BREEDING		SN Screening species, varieties or cultivars for resistance to injurious factors	
PLANT PROPAGATION		BT EVALUATION	
Reproductive physiology		RT RESISTANCE	
USE REPRODUCTION			

RESISTANCE SOURCES	D	RESTING	F
UF Sources of resistance		BT PHYSIOLOGY	
RT RESISTANCE		RT DORMANCY	
RESISTANCE TO INJURIOUS FACTORS	CD	Retardants (plant growth)	
BT BREEDING AIMS		USE GROWTH INHIBITORS	
RESISTANCE			
NT BOLTING RESISTANCE		RHEOLOGICAL PROPERTIES	B
DISEASE RESISTANCE		BT CHEMICOPHYSICAL PROPERTIES	
DROUGHT TOLERANCE			
FLOODING TOLERANCE			
LODGING RESISTANCE		RHIZOBIACEAE	D
PEST RESISTANCE		BT BACTERIA	
SALT TOLERANCE		NT AGROBACTERIUM	
SHATTERING RESISTANCE		RHIZOBIUM	
TEMPERATURE RESISTANCE			
WIND RESISTANCE			
RT INJURIOUS FACTORS		RHIZOBIUM	D
Resistance to wind		BT RHIZOBIACEAE	
USE WIND RESISTANCE			
Resistant cultivars		RHIZOCTONIA	D
USE RESISTANT VARIETIES		BT FUNGI	
		RT BLIGHTS	
		DAMPING-OFF	
		ROOT ROTS	
		STEM ROTS	
RESISTANT VARIETIES	A		
SN Varieties and cultivars		RHIZOMES	F
resistant to injurious		BT STEMS	
factors			
UF Resistant cultivars			
BT VARIETIES			
RESOURCE CONSERVATION	C	RHIZOPUS	D
BT CONSERVATION		BT FUNGI	
NT GERMPLASM CONSERVATION			
SOIL CONSERVATION		RHIZOSPHERE	F
WATER CONSERVATION		SN Soil zone of enhanced	
		microbiological activity	
		in vicinity of roots	
RESOURCE DEVELOPMENT	G	RT EDAPHIC FACTORS	
BT DEVELOPMENT		ROOTS	
		SOIL FAUNA	
		SOIL FLORA	
RESPIRATION	B		
BT PHYSIOLOGY		Rhodesia	
NT DARK RESPIRATION		USE ZIMBABWE	
PHOTORESPIRATION			
RT CATABOLISM		Rhodophyceae	
		USE ALGAE	

RHOPALOSIPHUM BT APHIDS	D	RICKETTSIALES BT BACTERIA NT RICKETTSIA RICKETTSIA-LIKE ORGANISMS	D
RIBOFLAVIN UF Vitamin B2 BT B VITAMINS	B	RIDGING BT CULTIVATION	F
Ribonucleic acid USE RNA		Ripening USE MATURATION	
RIBOSE BT SUGARS	B	RIPTORTUS BT HETEROPTERA	D
RIBOSOMES BT CELL STRUCTURE RT RNA	B	RISK AND UNCERTAINTY RT LOSSES PRICE FLUCTUATIONS	G
Rice USE ORYZA		RIVERS BT INLAND WATERWAYS	F
Rice bean USE VIGNA UMBELLATA		RLO USE RICKETTSIA-LIKE ORGANISMS	
RICE STRAW BT STRAW RT STRAW MULCHES	F	RNA UF Ribonucleic acid BT NUCLEIC ACIDS RT DNA RIBOSOMES	F
RICE-BASED CROPPING SYSTEMS BT CROPPING SYSTEMS	E	ROAD TRANSPORT BT TRANSPORT	F
RICKETTSIA BT RICKETTSIALES	D	ROASTING BT COOKING	F
Rickettsia-like diseases USE RICKETTSIAL DISEASES		RODENTICIDES BT PESTICIDES	F
RICKETTSIA-LIKE ORGANISMS UF RLO BT RICKETTSIALES	D	RODENTS BT NOXIOUS MAMMALS	D
RICKETTSIAL DISEASES UF Rickettsia-like diseases BT DISEASES	D		

ROGUING			Root-knot nematodes	
BT SELECTION		C	USE MELOIDOGYNE	
RT SEED PURIFICATION			Root-lesion nematodes	
			USE PRATYLENCHUS	
ROOT CAP				
BT ROOTS		B	ROOTING	B
Root formation			UF Root formation	
USE ROOTING			BT PLANT DEVELOPMENTAL STAGES	
			RT LAYERING	
			ROOTING MEDIA	
			ROOTS	
ROOT HAIRS				
BT PLANT HAIRS		B	ROOTING MEDIA	B
ROOTS			BT GROWING MEDIA	
			RT ROOTING	
ROOT NODULATION				
UF Nodule formation		B	ROOTS	B
Promiscuous nodulation			BT PLANT ANATOMY	
BT SOIL BIOLOGY			NT ROOT CAP	
RT INOCULATION			ROOT HAIRS	
NITROGEN FIXATION			RT MYCORRHIZAE	
			RHIZOSPHERE	
ROOT PRESSURE			ROOTING	
BT PRESSURE		B	TUBERS	
ROOT ROTS				
UF Black root rot (soybean)		D	ROOTSTALK	C
BT ROTS			BT PROPAGATION MATERIALS	
RT CALONECTRIA				
FUSARIUM			RORIPPA	A
MYCOLEPTODISCUS			BT CRUCIFERAE	
PYTHIUM			RT WATERCRESS	
RHIZOCTONIA				
THIELAVIOPSIS			ROSELLINIA	D
			BT FUNGI	
ROOT VEGETABLES				
BT VEGETABLE CROPS		E	ROTARY HOES	B
NT CARROTS			UF Roto-tillers	
CASSAVA			BT HOES	
POTATOES			RT ROTOTILLING	
RADISHES				
SWEET POTATOES			ROTATIONAL CROPPING	F
TURNIPS			UF Crop rotation	
WINGED BEANS			BT CROPPING SYSTEMS	
YAMS				
ROOT-EATING INSECTS				
BT CHEWING INSECTS		D	Roto-tillers	
			USE ROTARY HOES	

ROTOTILLING	E	RURAL-URBAN MIGRATION	G
BT TILLAGE		BT SOCIAL ASPECTS	
RT ROTARY HOES		RT RURAL DEVELOPMENT	
ROTS	D	Rust (white)	
BT SYMPTOMS		USE ALBUGO	
NT CHARCOAL ROT			
ROOT ROTS		RUSTS	D
SOFTROTS		BT FUNGAL DISEASES	
STEM ROTS		NT SOYBEAN RUST	
RT BACTERIAL DISEASES		RT PHAKOPSORA PACHYRHIZI	
FUNGAL DISEASES		SYMPTOMS	
PHYTOPHTHORA			
PYTHIUM			
ROTYLENCHULUS	D	RWANDA	I
UF Reniform nematodes		BT AFRICA	
BT NEMATODES			
ROTYLENCHUS	D	SACCHARUM	A
BT NEMATODES		UF Sugarcane	
		BT GRAMINEAE	
Roundworms		SADH	B
USE NEMATODES		UF Dimethylaminosuccinamic acid	
		BT GROWTH INHIBITORS	
Row distance		Safety	
USE SPACING		USE OCCUPATIONAL HEALTH	
ROW ORIENTATION	E	SALAD OILS	F
BT CULTIVATION		BT EDIBLE OILS	
ROW WIDTH	E	SALINE SOILS	F
BT CULTIVATION		BT CHEMICAL SOIL TYPES	
RURAL CONDITIONS	G	SALINITY	E
BT CONDITIONS		BT CHEMICOPHYSICAL PROPERTIES	
RT RURAL DEVELOPMENT			
SOCIAL ASPECTS		Salinity resistance	
		USE SALT TOLERANCE	
RURAL DEVELOPMENT	G	SALT STRESS	D
BT DEVELOPMENT		BT PHYSIOLOGICAL DISORDERS	
NT ELECTRIFICATION		RT SALT TOLERANCE	
RT RURAL CONDITIONS			
RURAL-URBAN MIGRATION			

SALT TOLERANCE		Sarson	
UF Salinity resistance	CD	USE BRASSICA CAMPESTRIS	
BT RESISTANCE TO INJURIOUS FACTORS		TRILOCULARIS	
RT SALT STRESS			
SALTED PRODUCTS		SATURATED FATTY ACIDS	B
BT PRODUCT GROUPS	F	BT FATTY ACIDS	
		NT PALMITIC ACID	
		STEARIC ACID	
SALTS		SAUDI ARABIA	I
BT INORGANIC COMPOUNDS	B	BT ASIA	
NT CARBONATES		Sawflies	
CHLORIDES		USE HYMENOPTERA	
HYDROXIDES			
NITRATES		SCABS	D
OXIDES		BT FUNGAL DISEASES	
PHOSPHATES		SYMPTOMS	
SULPHATES		NT MUNGBEAN SCAB	
		SOYBEAN SCAB	
SAMOA	I	Scales	
BT OCEANIA		USE HOMOPTERA	
SANDY SOILS	E	SCANDINAVIA	I
BT LITHOLOGICAL SOIL TYPES		BT EUROPE	
TEXTURAL SOIL TYPES			
Sanitation		SCAPSIPEDUS	D
USE HYGIENE		BT ORTHOPTERA	
SAP	B	Scares	
BT PLANT ANATOMY		USE REPELLENTS	
RT TRANSLOCATION			
Sap flow		SCARIFICATION	E
USE TRANSLOCATION		BT SEED TREATMENT	
		RT GERMINATION	
Saprophytes		Scarlet runner bean	
USE SAPROPHYTISM		USE PHASEOLUS COCCINEUS	
SAPROPHYTISM	D	SCHISTOCERCA	D
UF Saprophytes		BT ORTHOPTERA	
BT BIOLOGICAL COMPETITION			
SARCOSINE	B	SCHOOL GARDENS	F
BT AMINO ACIDS		BT GARDENS	

SCIONS	C	SEASONS	F
BT PROPAGATION MATERIALS		UF Agroclimatic seasons	
		BT PERIODICITY	
SCLERENCHYMA	B	NT AUTUMN	
BT PLANT TISSUES		COOL SEASON	
		DRY SEASON	
SCLEROCYSTIS	D	HOT SEASON	
BT FUNGI		SPRING	
		SUMMER	
		WET SEASON	
		WINTER	
SCLEROTINIA	D	Seaweeds	
BT FUNGI		USE ALGAE	
RT STEM ROTS			
SCLEROTIUM	D	SECONDARY GROWTH	B
BT FUNGI		BT GROWTH	
Scotland		SECRETION	F
USE GREAT BRITAIN		BT PHYSIOLOGY	
		RT GLANDS	
SEA TRANSPORT	F	PLANT SECRETIONS	
BT TRANSPORT			
SEALED STORAGE	F	SEED	C
UF Hermetic storage		SN Seeds for sowing or	
BT STORAGE		propagation; as phase in	
RT VACUUM PACKING		life history of plant use	
		SEEDS	
SEARCA	G	BT PROPAGATION MATERIALS	
SN Southeast Asian Regional		NT IMPURE SEED	
Center for Graduate Study		SEED BLENDS	
and Research in		RT SEED TREATMENT	
Agriculture			
BT AGRICULTURAL RESEARCH		SEED BLENDS	C
CENTRES		SN Mixed seed of different	
		cultivars	
SEASONALITY	B	UF Mixed seed	
RT BIOLOGICAL RHYTHMS		Seed mixtures	
		BT SEED	
		SEED CERTIFICATION	F
		BT SEED INDUSTRY	
		RT IMPURE SEED	
		SEED PURIFICATION	
		SEED TESTING	
		Seed coat	
		USE TESTA	

SEED CROPS	E	SEED PURIFICATION	F
BT CROPS		BT SEED INDUSTRY	
RT SEED INDUSTRY		RT IMPURE SEED ROGUING SEED CERTIFICATION	
SEED DEALERS	F	Seed setting	
BT SEED INDUSTRY		USE FRUIT SETTING	
SEED DISPERSAL	B	SEED STORAGE	CE
BT PLANT DEVELOPMENTAL STAGES		BT GERMLASM STORAGE	
RT DEHISCENCE SEEDS		RT SEED LONGEVITY	
Seed drills		SEED TESTING	F
USE DRILLS		BT EVALUATION	
SEED INDUSTRY	F	PT GERMINABILITY	
BT INDUSTRY		GERMLASM EVALUATION	
NT SEED CERTIFICATION		SEED CERTIFICATION	
SEED DEALERS		SEED LONGEVITY	
SEED PRODUCTION		SEED TREATMENT	E
SEED PURIFICATION		NT SCARIFICATION	
RT SEED CROPS		SEED INOCULATION	
SEED INOCULATION	DE	SEED PELLETING	
BT INOCULATION		STRATIFICATION	
SEED TREATMENT		RT SEED	
SEED LONGEVITY	B	SEED-BORNE PATHOGENS	D
BT LONGEVITY		BT PATHOGENS	
RT SEED STORAGE		Seed-leaves	
SEED TESTING		USE COTYLEDONS	
Seed mixtures		SEEDBED PREPARATION	F
USE SEED BLENDS		UF Soil preparation	
SEED PELLETING	E	RT CULTIVATION	
BT SEED TREATMENT		NT SEEDBEDS	
SEED PRODUCTION	EF	RT SOIL MANAGEMENT TILLAGE	
BT PLANT PRODUCTION		SEEDBEDS	F
SEED INDUSTRY		BT SEEDBED PREPARATION	
		NT RAISED SEEDBEDS	
		SUNKEN SEEDBEDS	
		Seeding	
		USE SOWING	

SEEDING RATE	E	SELECTION PRESSURE	C
BT SOWING		BT SELECTION	
RT PLANT POPULATION DENSITY			
		Selection techniques	
		USE SELECTION	
SEEDLING CULTURE	E		
BT CULTIVATION		Selective breeding	
RT SEEDLINGS		USE SELECTION	
SEEDLINGS	B	SELF FERTILIZATION	B
BT PLANT DEVELOPMENTAL STAGES		BT FERTILIZATION	
RT EMERGENCE		PT SELF INCOMPATIBILITY	
SEEDLING CULTURE		SELF POLLINATION	
SPROUTS			
SEEDS	B	SELF INCOMPATIBILITY	C
SN Seeds as a phase in the		UF Self-sterility	
life-history of a plant;		BT BREEDING BARRIERS	
use SEED for material for		RT HYBRID PRODUCTION	
plant propagation		POLLEN INCOMPATIBILITY	
BT PLANT ANATOMY		SELF FERTILIZATION	
NT EMBRYO			
ENDOSPERM		SELF POLLINATION	B
TESTA		BT POLLINATION	
RT DEHISCENCE		NT BUD POLLINATION	
FRUIT		CLEISTOGAMY	
SEED DISPERSAL		RT SELF FERTILIZATION	
		SELFING	
SEGREGATION	C	Self-sterility	
BT PLANT BREEDING		USE SELF INCOMPATIBILITY	
SELECTION	C	SELFING	C
UF Selection techniques		BT PLANT BREEDING	
Selective breeding		RT INBREEDING	
BT PLANT BREEDING		SELF POLLINATION	
NT BACKCROSS SELECTION			
DISRUPTIVE SEASONAL			
SELECTION		SEMI-HEADING CABBAGE	F
LINE SELECTION		BT CABBAGE TYPES	
MASS SELECTION			
NATURAL SELECTION			
RECURRENT SELECTION		SENEGAL	I
ROGUING		BT AFRICA	
SELECTION CRITERIA			
SELECTION PRESSURE		Senescence	
		USE AGING	
SELECTION CRITERIA	C	Sepals	
BT SELECTION		USE CALYX	

SEPTOGLOEUM BT FUNGI	D	Shanghai pak tsoi USE CHINESE WHITE CABBAGE	
SEPTORIA BT FUNGI RT BROWN SPOT	D	Shanghai white cabbage USE CHINESE WHITE CABBAGE	
Septoria leaf spot (soybean) USE BROWN SPOT		SHARE CROPPING UF Metayage BT TENURE	G
SEQUENTIAL CROPPING SN One crop follows another without fallowing BT CROPPING SYSTEMS	E	SHATTERING RESISTANCE BT RESISTANCE TO INJURIOUS FACTORS	CI
SERICOTHRIPS BT THYSANOPTERA	D	Shelling USE HUSKING	
SERINE BT AMINO ACIDS	B	SHIFTING CULTIVATION BT CROPPING SYSTEMS	E
Serological techniques USE SEROLOGY		SHIPPING ABILITY BT BREEDING AIMS	C
SEROLOGY UF Serological techniques RT IMMUNOLOGY	D	Shoot culture USE MERISTEM CULTURE	
SETARIA BT GRAMINEAE	A	Shoot-tip culture USE MERISTEM CULTURE	
Setting (fruit or seed) USE FRUIT SETTING		SHORT DAY BT PHOTOPERIOD	H
SEX ATTRACTANTS BT ATTRACTANTS RT PHEROMONES	D	SIERRA LEONE BT AFRICA	I
SEYCHELLES BT AFRICA	I	Sieva bean USE PHASEOLUS LUNATUS	
SHADING BT CULTIVATION	E	SILICON BT ELEMENTS	B
		SILOS BT STORAGE STRUCTURES	H
		SILTY SOILS BT TEXTURAL SOIL TYPES	E

SINAPIS	A	SMUTS	D
BT CRUCIFERAE		BT FUNGAL DISEASES	
NT SINAPIS ALBA		RT SYMPTOMS	
SINAPIS ALBA	A	SMV	
BT SINAPIS		USE SOYBEAN MOSAIC VIRUS	
RT WHITE MUSTARD		Snake bean	
		USE YARD-LONG BEANS	
SINGAPORE	I	Snap bean	
BT ASIA		USE KIDNEY BEANS	
RT ASEAN			
SINGLE CROSSES	C	SOAKING	F
BT CROSSBREEDING		BT PROCESSING	
SIPHONAPTEPA	D	SOCIAL ASPECTS	G
UF Fleas		UF Socioeconomic aspects	
BT INSECTS		NT LIVING STANDARDS	
		RURAL-URBAN MIGRATION	
Sitao		SOCIAL CHANGE	
USE COWPEAS		RT HEALTH	
Size		RELIGIOUS ASPECTS	
USE DIMENSIONS		RURAL CONDITIONS	
		VILLAGE CONDITIONS	
Slow bolting		SOCIAL CHANGE	G
USE BOLTING RESISTANCE		BT SOCIAL ASPECTS	
SLOW-RELEASE FERTILIZERS	E	Socioeconomic aspects	
BT FERTILIZERS		USE SOCIAL ASPECTS	
Slugs and snails (injurious)		SODIUM	B
USE NOXIOUS MOLLUSCS		BT ELEMENTS	
SLW		SOFTROTS	D
USE SPECIFIC LEAF WEIGHT		BT ROTS	
SMALL SCALE FARMING	E	NT BACTERIAL SOFTPOT	
BT FARMING SYSTEMS		SOIL AIR RELATIONS	F
SMELL	B	BT SOIL CHEMICOPHYSICAL	
BT ORGANOLEPTIC PROPERTIES		PROPERTIES	
SMOKING	F		
BT PROCESSING			

SOIL AMENDMENTS	E	SOIL DETERIORATION	D
NT AGRICULTURAL LIME		BT INJURIOUS FACTORS	
GYPSUM		RT EROSION	
SOIL CONDITIONERS		SOIL CONSERVATION	
RT FERTILIZERS		SOIL FERTILITY	
		SOIL MANAGEMENT	
		SOIL TOXICITY	
SOIL BIOLOGY	B	SOIL FAUNA	B
BT BIOLOGY		BT SOIL BIOLOGY	
NT ROOT NODULATION		RT PROTOZOA	
SOIL FAUNA		RHIZOSPHERE	
SOIL FLORA			
RT SOIL CHEMISTRY			
SOIL SCIENCES			
SOIL CHEMICOPHYSICAL PROPERTIES	B	SOIL FERTILITY	E
BT CHEMICOPHYSICAL PROPERTIES		NT NUTRIENT AVAILABILITY	
NT SOIL AIR RELATIONS		RT FERTILIZERS	
SOIL DENSITY		LEACHING	
SOIL STRUCTURE		SOIL DETERIORATION	
SOIL TEXTURE		SOIL MANAGEMENT	
		SOIL ORGANIC MATTER	
		SOIL TESTING	
SOIL CHEMISTRY	B	SOIL FLORA	E
BT CHEMISTRY		BT SOIL BIOLOGY	
RT SOIL BIOLOGY		RT ALGAE	
		BACTERIA	
SOIL COMPACTION	E	PLANTS	
BT SOIL DENSITY		RHIZOSPHERE	
SOIL CONDITIONERS	E	SOIL FUMIGANTS	F
BT SOIL AMENDMENTS		RT AGRICULTURAL CHEMICALS	
		RT FUMIGATION	
SOIL CONSERVATION	CE	SOIL MANAGEMENT	E
BT RESOURCE CONSERVATION		NT DRAINAGE	
SOIL MANAGEMENT		SOIL CONSERVATION	
RT EROSION		SOIL PASTEURIZATION	
SOIL DETERIORATION		SOIL STERILIZATION	
		RT SEEDBED PREPARATION	
SOIL DENSITY	B	SOIL DETERIORATION	
BT SOIL CHEMICOPHYSICAL		SOIL FERTILITY	
PROPERTIES		SOIL SCIENCES	
NT SOIL COMPACTION		SOIL TOXICITY	
RT SOIL STRUCTURE		TILLAGE	
		SOIL ORGANIC MATTER	E
		RT SOIL FERTILITY	
		SOIL STRUCTURE	

SOIL PASTEURIZATION	E	SOIL TYPES	E
BT SOIL MANAGEMENT		BT SOILS	
RT SOIL STERILIZATION		NT ANTHROPOGENIC SOIL TYPES	
Soil preparation		CHEMICAL SOIL TYPES	
USE SEEDBED PREPARATION		CLIMATIC SOIL TYPES	
		LITHOLOGICAL SOIL TYPES	
		TEXTURAL SOIL TYPES	
SOIL REQUIREMENTS	E	SOIL WATER	B
BT CULTIVATION		BT WATER	
RT SOILS			
SOIL SCIENCES	E	SOIL-BORNE PATHOGENS	D
UF Agrology		BT PATHOGENS	
Pedology			
RT AGRONOMY		SOILS	E
SOIL BIOLOGY		NT SOIL TYPES	
SOIL MANAGEMENT		RT SOIL REQUIREMENTS	
SOILS		SOIL SCIENCES	
SOIL STERILIZATION	E	Soja sauce	
BT SOIL MANAGEMENT		USE SOY SAUCE	
RT SOIL PASTEURIZATION			
SOIL STRUCTURE	B	SOLANUM	A
BT SOIL CHEMICOPHYSICAL		BT SOLONACEAE	
PROPERTIES		NT SOLANUM MELONGENA	
RT SOIL DENSITY		SOLANUM TUBEROSUM	
SOIL ORGANIC MATTER			
SOIL TESTING	E	SOLANUM MELONGENA	A
BT EVALUATION		BT SOLANUM	
RT SOIL FERTILITY		RT EGGPLANT	
SOIL TEXTURE	B	SOLANUM TUBEROSUM	A
BT SOIL CHEMICOPHYSICAL		BT SOLANUM	
PROPERTIES		RT POTATOES	
TEXTURE		Sole cropping	
RT TEXTURAL SOIL TYPES		USE MONOCULTURE	
SOIL TOXICITY	D	SOLONACEAE	A
UF Toxic soils		BT PLANTS	
BT INJURIOUS FACTORS		NT CAPSICUM	
TOXICITY		DATURA	
RT SOIL DETERIORATION		LYCOPERSICON	
SOIL MANAGEMENT		NICOTIANA	
TOXIC SUBSTANCES		PHYSALIS	
		SOLANUM	

Solvent extraction
USE EXTRACTION

Soviet Union
USE USSR

SOMALIA
BT AFRICA

I

SOWING
UF Plantino (seed)
Seeding
BT PLANTING
NT DIRECT SOWING
SEEDING RATE
SOWING DEPTH

E

Somatic mutations
USE CHIMERAS

SORGHUM
BT GRAMINEAE
RT CEREALS

A

SOWING DEPTH
BT SOWING

E

Sources of resistance
USE RESISTANCE SOURCES

SOY CHEESES

F

SOUTH AFRICA
BT AFRICA

I

UF Chou tofu
Stinking tofu
BT FERMENTED PRODUCTS
SOYBEAN PRODUCTS
RT TOFU

SOUTH AMERICA
BT AMERICA
NT ARGENTINA
BOLIVIA
BRAZIL
CHILE
COLOMBIA
ECUADOR
FRENCH GUIANA
GUYANA
PARAGUAY
PERU
SURINAM
URUGUAY
VENEZUELA

I

SOY FLOUR
BT SOYBEAN PRODUCTS

F

SOY MILK
BT SOYBEAN PRODUCTS

F

SOY MILK POWDER
BT SOYBEAN PRODUCTS

F

SOY SAUCE
UF Soja sauce
Soya sauce
BT SOYBEAN PRODUCTS

F

SOUTH KOREA
UF Korea Republic
BT ASIA

I

Soya sauce
USE SOY SAUCE

South West Africa
USE NAMIBIA

SOYBEAN CULTIVARS
BT CULTIVARS

A

SOUTHERN BEAN MOSAIC VIRUS
BT VIRUSES

D

Soybean cyst nematodes
USE HETERODERA

Southern pea
USE COWPEAS

SOYBEAN DWARF VIRUS
BT VIRUSES

D

SOYBEAN MEAL	F	SOYBEANS	E
BT SOYBEAN PRODUCTS		UF Grain soybean	
		RT GRAIN LEGUMES	
		OIL CROPS	
SOYBEAN MOSAIC VIRUS	D	NT VEGETABLE SOYBEAN	
UF SMV		RT GLYCINE MAX	
BT VIRUSES			
		Soy milk curd	
		USE TOFU	
SOYBEAN OIL	F		
BT SOYBEAN PRODUCTS			
VEGETABLE OILS		SPACING	E
		UF Row distance	
		BT CULTIVATION	
SOYBEAN PRODUCTS	F	RT PLANT POPULATION DENSITY	
BT LEGUME PRODUCTS		PLANTING	
NT HAMANATTO			
KINAKO			
MISO		SPAIN	I
NATTO		BT EUROPE	
SOY CHEESES			
SOY FLOUR		Speciation	
SOY MILK		USE PHYLOGENY	
SOY MILK POWDER			
SOY SAUCE			
SOYBEAN MEAL		SPECIES	A
SOYBEAN OIL		BT TAXA	
SUFU		NT ANCESTOR SPECIES	
TEMPEH		NEW SPECIES	
TOFU		WILD SPECIES	
YUBA		RT PHYLOGENY	
SOYBEAN ROSETTE VIRUS	D	SPECIFIC COMBINING ABILITY	C
BT VIRUSES		BT COMBINING ABILITY	
SOYBEAN RUST	D	SPECIFIC LEAF WEIGHT	C
BT RUSTS		UF SLw	
		BT MORPHOLOGICAL CHARACTERS	
SOYBEAN SCAB	D	SPHACELOMA	D
UF Kokuto-byo		BT FUNGI	
BT SCABS		RT SOYBEAN SCAB	
RT SPHACELOMA			
SOYBEAN STUNT VIRUS	D	SPIKELETS	P
UF SSV		BT INFLORESCENCES	
BT VIRUSES		NT FLORETS	
		Spinach (Chinese)	
		USE ANAPANTH	

SPINACHES	E	SPOTS	D
BT GREEN VEGETABLES		BT SYMPTOMS	
RT SPINACIA OLERACEA		NT BROWN SPOT	
		LEAF SPOTS	
		TARGET SPOT	
		YEAST SPOT	
SPINACIA	A	RT FUNGAL DISEASES	
BT CHENOPODIACEAE			
NT SPINACIA OLERACEA			
		Spray irrigation	
SPINACIA OLERACEA	A	USE SPRINKLER IRRIGATION	
BT SPINACIA			
RT SPINACHES		SPRAYERS	H
Spittlebugs		BT IRRIGATION EQUIPMENT	
USE HOMOPTERA		RT SPRAYING	
SPODOPTERA	D	SPRAYING	D
BT LEPIDOPTERA		BT APPLICATION METHODS	
NT SPODOPTERA EXIGUA		RT SPRAYERS	
SPODOPTERA LITURA			
		SPRING	E
SPODOPTERA EXIGUA	D	BT SEASONS	
UF Beet armyworm			
BT SPODOPTERA		SPRINKLER IRRIGATION	F
		UF Spray irrigation	
SPODOPTERA LITURA	D	BT IRRIGATION SYSTEMS	
UF Fall armyworm			
BT SPODOPTERA		Sprouting broccoli	
		USE BROCCOLI	
SPONTANEOUS MUTATION	C	SPROUTS	F
UF Natural mutation		UF Bean sprouts	
BT MUTATION		BT LEGUME PRODUCTS	
		RT SEEDLINGS	
SPORES	B	SPV-A	
BT PLANT ANATOMY		USE SWEET POTATO VIRUS A	
PLANT DEVELOPMENTAL STAGES			
RT FUNGI		SRI LANKA	I
SPOROPHORES		UF Ceylon	
		BT ASIA	
SPOROPHORES	B	SSV	
BT PLANT ANATOMY		USE SOYBEAN STUNT VIRUS	
RT INFLORESCENCES			
SPORES			
SPOROZOA	D		
BT PROTOZOA			

STAMENS	B	STEM ROTS	E
UF Filaments		UF Stem decay	
BT ANDROECIUM		BT ROTS	
NT ANTHERS		NT BROWN STEM ROT	
		RT NEOCOSMOSPORA	
		RHIZOCTONIA	
		SCLEROTINIA	
STARCH	B		
BT POLYSACCHARIDES			
RT STARCH PRODUCTS			
		STEM VEGETABLES	F
		BT VEGETABLE CROPS	
STARCH NOODLES	F	NT ASPARAGUS	
BT STARCH PRODUCTS		BAMBOO SHOOTS	
		KOHLRABI	
STARCH PRODUCTS	F	STEMPHYLIUM	D
BT VEGETABLE PRODUCTS		BT FUNGI	
NT STARCH NOODLES		RT LEAF BLIGHT	
RT STARCH			
STATISTICS	H	STEMS	F
NT PRODUCTION STATISTICS		BT PLANT ANATOMY	
RT DATA COLLECTION		NT INTERNODES	
ECONOMETRICS		NODES	
		RHIZOMES	
STEAMING	F	STOLONS	
BT PROCESSING		TUBERS	
		RT BRANCHING	
		STEM ELONGATION	
STEARIC ACID	B	STERILE INSECT RELEASE	D
BT SATURATED FATTY ACIDS		BT BIOLOGICAL CONTROL	
		INSECT CONTROL	
STEM BORERS	D	STERILITY	B
BT CHEWING INSECTS		SN Reproductive sterility	
		BT REPRODUCTION	
STEM CANKER	D	NT INTERSPECIFIC STERILITY	
BT CANKERS		MALE STERILITY	
RT DIAPORTHE		RT FERTILITY	
		POLLEN INCOMPATIBILITY	
Stem decay		STERILIZATION	
USE STEM ROTS			
STEM ELONGATION	B	STERILIZATION	C
BT PLANT DEVELOPMENTAL STAGES		SN Rendering incapable of	
RT GROWTH		reproducing	
STEMS		RT STERILITY	

STERILIZING	F	STORAGE	F
SN Rendering free from microorganisms		NT CONTROLLED ATMOSPHERE STORAGE	
BT PROCESSING		DRY STORAGE	
		GERMPLASM STORAGE	
STERIODS	B	SEALED STORAGE	
BT ORGANIC COMPOUNDS		STORAGE ENVIRONMENT	
		STORAGE LIFE	
Stick-insects		WET STORAGE	
USE PHASMIDA		RT PRESERVATION	
Stigmas		STORAGE EQUIPMENT	
USE PISTILS		STORAGE LOSSES	
		WATER STORAGE	
Stinkbugs			
USE HETEROPTERA		STORAGE ENVIRONMENT	F
		BT STORAGE	
Stinking tofu		RT STORAGE TRAITS	
USE SOY CHEESES			
		STORAGE EQUIPMENT	H
STOLONS	B	BT EQUIPMENT	
BT STEMS		NT COOLERS	
		RT STORAGE	
STOMATA	B		
BT LEAVES		STORAGE LIFE	F
		BT STORAGE	
STONY SOILS	E		
BT TEXTURAL SOIL TYPES		STORAGE LOSSES	G
		BT POSTHARVEST LOSSES	
Stool layering		RT STORAGE	
USE STOOING			
		STORAGE STRUCTURES	H
STOOING	C	BT BUILDINGS	
UF Stool layering		NT SILOS	
BT VEGETATIVE PROPAGATION			
Stopping		STORAGE TRAITS	C
USE DISBUDDING		UF Storability	
		BT CHARACTERS	
Storability		RT STORAGE ENVIRONMENT	
USE STORAGE TRAITS			
		STORED PRODUCTS PEST CONTROL	D
		BT PEST CONTROL	
		STORED PRODUCTS PESTS	D
		BT PESTS	

STORMS	D	SUDAN	I
BT NATURAL DISASTERS		BT AFRICA	
NT CYCLONES			
RT WIND DAMAGE			
WINDBREAKS			
Strains		SUFU	F
USE RACES		BT FERMENTED PRODUCTS	
		SOYBEAN PRODUCTS	
		Sugarcane	
		USE SACCHARUM	
STRATIFICATION	E		
SN Seed stratification		SUGARS	B
BT SEED TREATMENT		BT CARBOHYDRATES	
		NT ARABINOSE	
STRAW	F	FRUCTOSE	
BT CEREAL BYPRODUCTS		GALACTOSE	
NT RICE STRAW		GLUCOSE	
		LACTOSE	
STRAW MULCHES	E	MALTOSE	
BT MULCHES		MANNOSE	
RT RICE STRAW		RIBOSE	
		SUCROSE	
		XYLOSE	
STREPTOMYCES	D		
BT ACTINOMYCETALES		SULPHATES	B
String bean		PT SALTS	
USE KIDNEY BEANS			
Striped flea beetle		SULPHUR	B
USE PHYLLOTRETA STRIOLATA		BT ELEMENTS	
Striped sweet potato weevil			
USE ALCIDODES		SUMATRA	I
		BT INDONESIA	
Structure (plant)			
USE PLANT MORPHOLOGY		SUMMER	F
Styles		BT SEASONS	
USE PISTILS		Sunflower	
		USE HELIANTHUS	
SUBSISTENCE FARMING	E		
BT FARMING SYSTEMS		SUNKEN SEEDBEDS	E
		BT SEEDBEDS	
SUCKING INSECTS	D		
BT PEST INSECTS		SUPERPHOSPHATE	BF
		BT PHOSPHATE FERTILIZERS	
SUCROSE	B		
BT SUGARS			

SUPERSTITIONS	G	SWEET POTATO TIPS	E
BT RELIGIOUS ASPECTS		SN Sweet potato greens, including leaves, stems and petioles	
SUPPLY	G	BT GREEN VEGETABLES	
BT MARKETING		SWEET POTATOES	
NT SUPPLY MANAGEMENT			
SURPLUSES			
RT MACROECONOMICS		SWEET POTATO VEIN-CLEARING VIRUS	D
		BT VIRUSES	
SUPPLY MANAGEMENT	G		
BT SUPPLY		SWEET POTATO VIRUS A	D
RT MARKETING BOARDS		UF SPV-A	
		BT VIRUSES	
SURINAM	I		
UF Dutch Guyana		SWEET POTATO VIRUS B	D
BT SOUTH AMERICA		BT VIRUSES	
SURPLUSES	G	SWEET POTATO VIRUS N	D
UF Excess supply		BT VIRUSES	
BT SUPPLY			
SURVEYS	H	SWEET POTATOES	E
BT DATA COLLECTION		BT ROOT VEGETABLES	
		NT SWEET POTATO TIPS	
		RT IPOMOEA BATATAS	
SWAZILAND	I		
BT AFRICA		SWINE	D
Sweet peppers		UF Pigs	
USE CAPSICUM ANNUUM		BT LIVESTOCK	
SWEET POTATO CULTIVARS	A	SYMBIONTS	P
BT CULTIVARS		BT SYMBIOSIS	
SWEET POTATO MILD MOTTLE VIRUS	D	SYMBIOSIS	E
BT VIRUSES		UF Mutualism	
Sweet potato scurf		NT SYMBIONTS	
USE MONILOCHAETES		RT ECOLOGY	
SWEET POTATO STUNT VIRUS	D		
BT VIRUSES			

SYMPTOMS	D	TALINUM	A
UF Disease symptoms (plant)		PT PORTULACACFAE	
Plant disease			
manifestations			
NT BLIGHTS		TANZANIA	I
BLOTCHES		BT AFRICA	
CANKERS			
CHLOROSIS		TARGET SPOT	D
LEAF CURLS		BT FUNGAL DISEASES	
LESIONS		SPOTS	
PLANT GALLS		RT CORYNESPORA	
ROTS			
SCABS		TARIFFS	G
SPOTS		BT TRADE BARRIERS	
WILTS			
RT DIAGNOSIS		Taste	
DISEASES		USE FLAVOUR	
MOULDS			
RUSTS		TASV	
SMUTS		USE TOMATO ASPERMY VIRUS	
SYNANTHEDON	D		
BT LEPIDOPTERA		TAXA	A
		BT TAXONOMY	
SYNCHYTRIUM	D	NT RACES	
BT FUNGI		SPECIES	
		VARIETIES	
SYRIA	I		
BT ASIA		TAXES	G
Systematics		BT COSTS	
USE TAXONOMY		RT MACROECONOMICS	
SYSTEMA	D	TAXONOMY	A
BT COLEOPTERA		UF Biosystematics	
		Systematics	
TAENIOTHrips	D	NT NOMENCLATURE	
BT THYSANOPTERA		TAXA	
		RT BIOLOGY	
Tai ko tsoi		TBSV	
USE CHINESE FLAT CABBAGE		USE TOMATO BUSHY STUNT VIRUS	
TAIWAN	I	Tea	
UF China (Taiwan)		USE CAMELLIA	
BT ASIA		Techniques	
		USE METHODS	

TECHNOLOGY	H	TERRACE CROPPING	F
NT APPROPRIATE TECHNOLOGY		UF Terracing	
RT DEVELOPMENT		BT CROPPING SYSTEMS	
ENGINEERING			
EQUIPMENT		Terracing	
MECHANICAL METHODS		USE TERRACE CROPPING	
TELEOGRYLLUS	D	TEST CROSSING	C
BT ORTHOPTERA		BT CROSSBREEDING	
		PT BACKCROSSING	
TEMPEH	F	TESTA	B
BT FERMENTED PRODUCTS		UF Seed coat	
SOYBEAN PRODUCTS		BT SEEDS	
TEMPERATE CLIMATE	E	TETRAGONIA	A
BT CLIMATE		UF New Zealand spinach	
		BT TETRAGONIACEAE	
TEMPERATURE RESISTANCE	CD	TETRAGONIACEAE	A
UF Cold tolerance		BT PLANTS	
Heat tolerance		NT TETRAGONIA	
BT RESISTANCE TO INJURIOUS			
FACTORS			
RT ENVIRONMENTAL TEMPERATURE		TEV	
HEAT STRESS		USE TOBACCO ETCH VIRUS	
PLANT WEATHERING			
TENDRILS	B	TEXTURAL SOIL TYPES	F
BT LEAVES		BT SOIL TYPES	
		NT CLAY SOILS	
		LOAM SOILS	
TENURE	G	SANDY SOILS	
NT LEASING		SILTY SOILS	
OWNERSHIP		STONY SOILS	
SHARE CROPPING		RT SOIL TEXTURE	
Tepary bean		TEXTURE	B
USE PHASEOLUS ACUTIFOLIUS		BT CHEMICOPHYSICAL PROPERTIES	
		NT SOIL TEXTURE	
TEPHRITIDAE	D	TEXTURED PROTEINS	F
UF Fruit flies		BT MEAT SUBSTITUTES	
BT DIPTERA		RT TEXTURIZING	
NT CERATITIS			
Termites		TEXTURIZING	F
USE ISOPTERA		BT PROCESSING	
		RT TEXTURED PROTEINS	

THAILAND BT ASIA RT ASEAN	I	THYANIA BT HETEROPTERA	D
THANATEPHORUS BT FUNGI	D	THYMIDINE BT NUCLEOSIDES	B
THEACEAE BT PLANTS NT CAMELLIA	A	THYMINE BT PYRIMIDINE BASES	B
THERMAL PERIODICITY BT FLOWER INDUCTION	B	THYSANOPTERA BT INSECTS NT CALIOTHRIPS FRANKLINIELLA SERICOTHRIPS TAENIOTHRIPS THRIPS (GENUS)	D
THERMAL PROPERTIES BT CHEMICOPHYSICAL PROPERTIES	B	TIBA UF Triiodobenzoic acid BT GROWTH INHIBITORS	B
THIAMIN UF Vitamin B1 BT B VITAMINS	B	Tick bean USE FABA BEANS	
THIELAVIOPSIS BT FUNGI RT ROOT ROTS	D	Ticks USE ACARINA	
THINNING BT CULTIVATION RT PLANT POPULATION DENSITY	E	TILLAGE BT CULTIVATION NT HARROWING PLOUGHING REDUCED TILLAGE ROTOTILLING RT SEEDBED PREPARATION SOIL MANAGEMENT	E
THREE-WAY CROSSES BT CROSSBREEDING	C	Tillage equipment USE CULTIVATION EQUIPMENT	
THREONINE BT AMINO ACIDS	B	TILLERING SN Production of shoots from the crown of a plant BT PLANT DEVELOPMENTAL STAGES	B
Threshers USE HARVESTING EQUIPMENT		TIME NT TIMING	F
THRESHING BT HARVESTING	E		
THRIPS (GENUS) BT THYSANOPTERA	D		

TIMING	E	TOBACCO RATTLE VIRUS	D
BT TIME		BT VIRUSES	
NT BIOLOGICAL RHYTHMS			
PERIODICITY			
PLANTING DATE		TOBACCO RINGSPOT VIRUS	D
		UF TRSV	
		BT VIRUSES	
TIMOR	I	RT BUD BLIGHT	
BT INDONESIA			
TIPBURN	D	TOBACCO STREAK VIRUS	D
BT DEFICIENCY DISORDERS		UF TSV	
		BT VIRUSES	
		RT BRAZILIAN BUD BLIGHT	
TISSUE CULTURE	C	Tobago	
UF Cell culture		USE TRINIDAD AND TOBAGO	
Micropropagation			
NT AXILLARY BUD CULTURE			
EMBRYO CULTURE		TOFU	F
MERISTEM CULTURE		UF Soymilk curd	
RT PLANT BREEDING		BT SOYBEAN PRODUCTS	
PLANT PROPAGATION		RT SOY CHEESES	
PLANT TISSUES			
TLCV		TOGO	I
USE TOBACCO LEAF CURL VIRUS		BT AFRICA	
TMV			
USE TOBACCO MOSAIC VIRUS		TOMATO ASPERMY VIRUS	D
		UF TASV	
Tobacco		BT VIRUSES	
USE NICOTIANA TABACUM			
TOBACCO ETCH VIRUS	D	TOMATO BLACK RING VIRUS	D
UF TEV		BT VIRUSES	
BT VIRUSES			
TOBACCO LEAF CURL VIRUS	D	TOMATO BUSHY STUNT VIRUS	D
UF TLCV		UF TBSV	
BT VIRUSES		BT VIRUSES	
TOBACCO MOSAIC VIRUS	D	TOMATO CULTIVARS	A
UF TMV		BT CULTIVARS	
BT VIRUSES		Tomato fruitworm	
		USE HELIOTHIS ARMIGERA	
TOBACCO NECROSIS VIRUS	D	TOMATO GOLDEN MOSAIC VIRUS	D
BT VIRUSES		BT VIRUSES	

TOMATO MOSAIC VIRUS UF TOMV BT VIRUSES	D	TOXICITY UF Phytotoxicity NT SOIL TOXICITY	D
TOMATO RINGSPOT VIRUS BT VIRUSES	D	TRACE ELEMENTS BT ELEMENTS	R
TOMATO SPOTTED WILT VIRUS UF TSWV BT VIRUSES	D	TRACER TECHNIQUES BT METHODS	H
TOMATO YELLOW DWARF VIRUS BT VIRUSES	D	TRACHEIDS BT CELLS RT XYLEM	R
TOMATO YELLOW LEAF CURL VIRUS UF TYLCV BT VIRUSES	D	TRACTORS BT MACHINERY RT MECHANIZATION	F
TOMATO YELLOW MOSAIC VIRUS BT VIRUSES	D	TRADE NT BAPTER DOMESTIC TRADE INTERNATIONAL TRADE TRADE BARRIERS RT MACROECONOMICS MARKETING	G
TOMATOES BT FRUIT VEGETABLES NT PROCESSING TOMATOES RT LYCOPERSICON	E		
TOMV USE TOMATO MOSAIC VIRUS		TRADE BALANCE UF Balance of trade RT INTERNATIONAL TRADE RT EXPORTS IMPORTS	G
TONOPLAST BT CELL MEMBRANES RT PLASMALEMMA	B		
Tornados USE CYCLONES		TRADE BARRIERS BT TRADE NT QUOTAS TARIFFS RT TRADE POLICIES	G
Toxic soils USE SOIL TOXICITY			
TOXIC SUBSTANCES BT INJURIOUS FACTORS NT PESTICIDE RESIDUES RT SOIL TOXICITY	D	TRADE POLICIES BT POLICIES RT AGRICULTURAL POLICIES DEVELOPMENT POLICIES TRADE BARRIERS	G

TRADITIONAL FARMING	E	TRANSPORTATION EQUIPMENT	H
BT FARMING SYSTEMS		PT EQUIPMENT	
		MT BOATS	
		CARTS	
TRAINING	G	TRUCKS	
BT EDUCATION		RT TRANSPORT	
RT OUTREACH PROGRAMMES			
TRAIT STABILITY	C	TRELLISING	F
BT BREEDING AIMS		BT CULTIVATION	
Traits		Trichlorophenoxyacetic acid	
USE CHARACTERS		USE 2,4,5-T	
TRANSFERASES	B	TRICHODORUS	D
BT ENZYMES		BT NEMATODES	
TRANSLOCATION	B	Trichomes	
UF Sap flow		USE PLANT HAIRS	
BT PHYSIOLOGY			
RT NUTRIENT TRANSPORT		TRICHOPLUSIA	D
OSMOSIS		UF Cabbage looper	
PLANT VASCULAR SYSTEM		BT LEPIDOPTERA	
SAP			
TRANSPIRATION	B	TRICHOSANTHES	A
UF Evapotranspiration		BT CUCURBITACEAE	
BT PHYSIOLOGY			
RT WATER BALANCE		TRICHOTHECIUM	D
WILTING		BT FUNGI	
TRANSPLANTING	E	TRICKLE IRRIGATION	F
UF Replanting		UF Drip irrigation	
BT PLANTING		BT IRRIGATION SYSTEMS	
TRANSPORT	F	Trifodobenzoic acid	
NT AIR TRANSPORT		USE TIBA	
INLAND WATERWAYS			
ROAD TRANSPORT		TRINIDAD AND TOBAGO	I
SEA TRANSPORT		UF Tobago	
RT DISTRIBUTION		BT CARIBBEAN	
HANDLING			
TRANSPORTATION EQUIPMENT		TRIOZA	D
		BT HOMOPTERA	
		TRISOMICS	B
		BT ANEUPLOIDY	

TRITICUM	A	TUMV USE TURNIP MOSAIC VIRUS	
UF Wheat			
BT GRAMINEAE			
RT CEREALS		TUNISIA	J
		BT AFRICA	
TROPICAL CLIMATE	E	TURGOR PRESSURE	B
BT CLIMATE		BT PRESSURE	
		RT WATER UPTAKE	
TROPICAL SOILS	E	WILTING	
BT CLIMATIC SOIL TYPES			
TROPISMS	B	TURKEY	I
UF Geotropism		BT ASIA	
Nastic movements		EUROPE	
Phototropism			
BT PHYSIOLOGY		TURNIP CRINKLE VIRUS	D
RT GROWTH		BT VIRUSES	
TROTTERIA	D	TURNIP MOSAIC VIRUS	D
BT FUNGI		UF TUMV	
		BT VIRUSES	
TRSV		Turnip rape	
USE TOBACCO RINGSPOT VIRUS		USE BRASSICA CAMPESTRIS	
		OLEIFERA	
TRUCKS	H		
BT TRANSPORTATION EQUIPMENT		TURNIP ROSETTE MOSAIC VIRUS	D
		BT VIRUSES	
TRYPTOPHAN	B		
BT AMINO ACIDS		TURNIP YELLOW MOSAIC VIRUS	D
		BT VIRUSES	
Tsing pak tsoi			
USE CHINESE WHITE CABBAGE			
TSV		TURNIPS	E
USE TOBACCO STREAK VIRUS		BT ROOT VEGETABLES	
		RT BRASSICA CAMPESTRIS RAPA	
TSWV			
USE TOMATO SPOTTED WILT VIRUS			
TUBERCULINA	D	TVIS	H
BT FUNGI		SN Tropical Vegetable	
		Information Service at	
		AVRDC covering, initially,	
		Chinese cabbage,	
		mungbeans and soybeans	
TUBERS	B	BT INFORMATION SERVICES	
BT STEMS			
RT ROOTS			

TYLCV USE TOMATO YELLOW LEAF CURL VIRUS		UNITED NATIONS BT ORGANIZATIONS NT FAO	G
TYLENCHORHYNCHUS BT NEMATODES	D	United States of America USE USA	
TYLENCHULUS BT NEMATODES	D	UNSATURATED FATTY ACIDS BT FATTY ACIDS NT LINOLEIC ACID LINOLENIC ACID OLEIC ACID	B
TYLENCHUS BT NEMATODES	D		
Typhoons USE CYCLONES		UPLAND CROPPING SN Crops grown on unirrigated land without storage of water	E
TYROSINE BT AMINO ACIDS	B	BT CROPPING SYSTEMS	
		Upper Volta USE BOURKINA FASSO	
UGANDA BT AFRICA	I		
		URACIL BT PYRIMIDINES	E
UMBELLIFERAE BT PLANTS NT APIUM CORIANDRUM CUMINUM DAUCUS	A	URACIL DERIVATIVES BT PYRIMIDINE BASES	B
		URD	E
UNCINULA BT FUNGI	D	UF Black gram Gram (black) BT GRAIN LEGUMES VEGETABLE LEGUMES RT VIGNA MUNGO	
Unemployment USE EMPLOYMENT			
UNIFORMITY BT BREEDING AIMS	C	UREA BT NITROGEN FERTILIZERS ORGANIC COMPOUNDS	B
Union of Soviet Socialist Republics USE USSR		UREASE BT HYDROLASES	B
UNITED KINGDOM BT EUROPE NT GREAT BRITAIN	I	URIDINE BT NUCLEOSIDES	B

URUGUAY	I	Varietal differences	
BT SOUTH AMERICA		USE VARIETAL COMPARISONS	
USA	I	VARIETIES	A
UF United States of America		BT TAXA	
BT NORTH AMERICA		NT CULTIVARS	
		HIGH-YIELDING VARIETIES	
		RESISTANT VARIETIES	
USEFUL INSECTS	D	VASCULAR BUNDLES	B
BT INSECTS		BT VASCULAR TISSUES	
RT BIOLOGICAL CONTROL		NT CAMBIUM	
ORGANISMS		PHLOEM	
USES	F	PLANT VEINS	
UF Utilization		XYLEM	
NT INDUSTRIAL USES		Vascular system (plant)	
RT PRODUCTS		USE PLANT VASCULAR SYSTEM	
USSR	I	VASCULAR TISSUES	B
UF Soviet Union		BT PLANT TISSUES	
Union of Soviet Socialist		PLANT VASCULAR SYSTEM	
Republics		NT VASCULAR BUNDLES	
BT ASIA		VECTORS	D
EUROPE		BT DISEASE TRANSMISSION	
Utilization		VEGETABLE CROPS	E
USE USES		BT CROPS	
VACUOLES	B	NT BULBOUS VEGETABLES	
BT CYTOPLASMIC ORGANELLES		CAULIFLOWERS	
VACUUM PACKING	F	EDIBLE FUNGI	
BT PACKAGING		FRUIT VEGETABLES	
RT SEALED STORAGE		GREEN VEGETABLES	
		ROOT VEGETABLES	
		STEM VEGETABLES	
VALINE	B	VEGETABLE LEGUMES	
BT AMINO ACIDS		RT VEGETABLE PRODUCTS	
		VEGETABLES	
VARIETAL COMPARISONS	H	VEGETABLE FATS	F
UF Comparisons (among		BT FATS	
cultivars or varieties)		VEGETABLE PRODUCTS	
Differences (among		VEGETABLE JUICES	F
cultivars or varieties)		BT VEGETABLE PRODUCTS	
Varietal differences			
BT COMPARATIVE STUDIES			

VEGETABLE LEGUMES	E	VEGETATIVE PROPAGATION	C
BT LEGUMES		BT PLANT PROPAGATION	
VEGETABLE CROPS		NT CLONING	
NT CHICKPEAS		GRAFTING	
COWPEAS		LAYERING	
FABA BEANS		POLYEMBRYONY	
KIDNEY BEANS		STOOLING	
MUNGBEANS		RT ASEXUAL REPRODUCTION	
URD			
VEGETABLE SOYBEAN		Veins (plant)	
WINGED BEANS		USE PLANT VEINS	
VEGETABLE OILS	F	VENEZUELA	I
BT VEGETABLE PRODUCTS		BT SOUTH AMERICA	
NT SOYBEAN OIL			
RT EDIBLE OILS			
VEGETABLE PRODUCTS	F	VERNALIZATION	b
UF Plant products		SN Initiation of flowering in	
BT PRODUCTS		response to cold treatment	
NT CEREAL PRODUCTS		BT FLOWER INDUCTION	
LEGUME PRODUCTS		RT PHOTOPERIODISM	
STARCH PRODUCTS			
VEGETABLE FATS		VERTICAL RESISTANCE	D
VEGETABLE JUICES		SN Oligogenic, qualitative,	
VEGETABLE OILS		race-specific resistance	
RT VEGETABLE CROPS		UF Specific resistance	
VEGETABLES		BT RESISTANCE	
VEGETABLE SOYBEAN	E	VERTICILLIUM	D
BT SOYBEANS		BT FUNGI	
VEGETABLE LEGUMES			
VEGETABLES	F	VICIA	A
BT FOODS		BT LEGUMINOSAE	
RT VEGETABLE CROPS		NT VICIA FABA	
VEGETABLE PRODUCTS			
VEGETATIVE GROWTH	B	VICIA FABA	A
BT GROWTH		BT INDICATOR HOST PLANTS	
		VICIA	
		RT FABA BEANS	
		VIET NAM	I
		UF Vietnam	
		BT ASIA	
		Vietnam	
		USE VIET NAM	

VIGNA	A	Vigna radiata var. glabra USE VIGNA GLABRESCENS	
BT LEGUMINOSAE			
NT VIGNA ACONITIFOLIA		Vigna sesquipedalis	
VIGNA ANGULARIS		USE VIGNA UNGUICULATA	
VIGNA GLABRESCENS		SESQUIPEDALIS	
VIGNA MUNGO			
VIGNA RADIATA		Vigna sinensis	
VIGNA SUBTERRANEA		USE VIGNA UNGUICULATA	
VIGNA UMBELLATA			
VIGNA UNGUICULATA			
VIGNA ACONITIFOLIA	A	VIGNA SUBTERRANEA	A
UF Bean (moth)		BT VIGNA	
Dolichos dissectus			
Moth bean			
Phaseolus aconitifolia		VIGNA UMBELLATA	A
Phaseolus palmatus		UF Bean (rice)	
BT VIGNA		Dolichos umbellatus	
		Phaseolus calcaratus	
		Phaseolus pubescens	
		Phaseolus riccardianus	
		Phaseolus torosus	
		Rice bean	
VIGNA ANGULARIS	A	Vigna calcarata	
UF Azukia angularis		BT VIGNA	
Dolichos angularis			
Phaseolus angularis			
BT VIGNA			
RT ADZUKI BEANS			
Vigna calcarata		VIGNA UNGUICULATA	AT
USE VIGNA UMBELLATA		UF Dolichos unguiculata	
		Vigna sinensis	
		BT INDICATOR HOST PLANTS	
		VIGNA	
VIGNA GLABRESCENS	A	NT VIGNA UNGUICULATA BIFLORA	
UF Phaseolus glaber		VIGNA UNGUICULATA	
Phaseolus mungo var.		SESQUIPEDALIS	
glaber		VIGNA UNGUICULATA	
Vigna radiata var. glabra		UNGUICULATA	
BT VIGNA		RT COWPEAS	
VIGNA MUNGO	A	VIGNA UNGUICULATA BIFLORA	AT
SN Vigna mungo (L.) Hepper		UF Dolichos biflorus	
UF Phaseolus mungo		Dolichos catjang	
BT VIGNA		Phaseolus cylindricus	
RT URD		Vigna unguiculata subsp.	
		cylindrica	
		BT VIGNA UNGUICULATA	
VIGNA RADIATA	A	VIGNA UNGUICULATA SESQUIPEDALIS	AT
SN Vigna radiata (L.) Wilczek		UF Dolichos sesquipedalis	
UF Phaseolus aureus		Vigna sesquipedalis	
Phaseolus radiatus		BT VIGNA UNGUICULATA	
BT VIGNA		RT YARD-LONG BEANS	
RT MUNGBEANS			

Vigna unguiculata subsp.
cylindrica
 USE VIGNA UNGUICULATA BIFLORA

VIGNA UNGUICULATA UNGUICULATA AD
 BT VIGNA UNGUICULATA

VILLAGE CONDITIONS G
 BT CONDITIONS
 RT SOCIAL ASPECTS

VIRAL DISEASES D
 SN In general, viral diseases should be indexed with the name of the virus. See VIRUSES
 RT DISEASES
 NT BRAZILIAN BUD BLIGHT
 BUD BLIGHT
 RT VIRUSES

VIROLOGY B
 BT MICROBIOLOGY
 NT VIRUS INDEXING
 RT VIRUSES

VIRUS INDEXING B
 BT VIROLOGY

Virus indicator plants
 USE INDICATOR HOST PLANTS

Virus races
 USE VIRUS STRAINS

VIRUS STRAINS D
 UF Virus races
 RT VIRUSES

VIRUSES

D

UF Plant viruses
 BT MICROORGANISMS
 NT ABUTILON MOSAIC VIRUS
 ADZUKIBEAN MOSAIC VIRUS
 ALFALFA MOSAIC VIRUS
 BEAN COMMON MOSAIC VIRUS
 BEAN CRUMPLING VIRUS
 BEAN GOLDEN MOSAIC VIRUS
 BEAN POD MOTTLE VIRUS
 BEAN RUGOSE MOSAIC VIRUS
 BEAN YELLOW MOSAIC VIRUS
 BEET CURLY TOP VIRUS
 BEET YELLOWS VIRUS
 BLACK EYE COWPEA MOSAIC VIRUS
 BLACKGRAM LEAF CRINKLE VIRUS
 BLACKGRAM MOSAIC VIRUS
 BLACKGRAM STERILITY MOSAIC VIRUS
 BROAD BEAN MOTTLE VIRUS
 BROAD BEAN STAIN VIRUS
 BROAD BEAN TRUE MOSAIC VIRUS
 BROAD BEAN WILT VIRUS
 CASSAVA MOSAIC VIRUS
 CAULIFLOWER MOSAIC VIRUS
 CHILI LEAF CURL VIRUS
 COWPEA APHID-BORNE MOSAIC VIRUS
 COWPEA CHLOROTIC MOTTLE VIRUS
 COWPEA MILD MOTTLE VIRUS
 COWPEA MOSAIC VIRUS
 COWPEA SEVERE MOSAIC VIRUS
 CUCUMBER MOSAIC VIRUS
 GREENGRAM MOSAIC VIRUS
 LETTUCE NECROTIC YELLOW VIRUS
 MUNGBEAN MOSAIC VIRUS
 MUNGBEAN MOTTLE VIRUS
 MUNGBEAN YELLOW MOSAIC VIRUS
 MUNGBEAN YELLOW MOTTLE VIRUS
 OKRA MOSAIC VIRUS
 ONION YELLOW DWARF VIRUS
 PEA ENATION MOSAIC VIRUS
 PEANUT MOTTLE VIRUS
 PEANUT STUNT VIRUS
 PEPPER MOTTLE VIRUS
 POTATO LEAFROLL VIRUS
 POTATO VIRUS X
 POTATO VIRUS Y

RADISH ENATION MOSAIC VIRUS		VITAMIN B12	R
RADISH MOSAIC VIRUS		BT B VITAMINS	
SOUTHERN BEAN MOSAIC VIRUS			
SOYBEAN DWARF VIRUS		Vitamin B2	
SOYBEAN MOSAIC VIRUS		USE RIBOFLAVIN	
SOYBEAN ROSETTE VIRUS			
SOYBEAN STUNT VIRUS			
SWEET POTATO MILD MOTTLE VIRUS		VITAMIN C	R
SWEET POTATO STUNT VIRUS		UF Ascorbic acid	
SWEET POTATO		BT VITAMINS	
VEIN-CLEARING VIRUS			
SWEET POTATO VIRUS A		VITAMIN D	R
SWEET POTATO VIRUS B		BT VITAMINS	
SWEET POTATO VIRUS N			
TOBACCO ETCH VIRUS		Vitamin H	
TOBACCO LEAF CURL VIRUS		USE BIOTIN	
TOBACCO MOSAIC VIRUS			
TOBACCO NECROSIS VIRUS		VITAMINS	R
TOBACCO RATTLE VIRUS		BT ORGANIC COMPOUNDS	
TOBACCO RINGSPOT VIRUS		NT B VITAMINS	
TOBACCO STREAK VIRUS		BIOTIN	
TOMATO ASPERMY VIRUS		VITAMIN A	
TOMATO BLACK RING VIRUS		VITAMIN C	
TOMATO BUSHY STUNT VIRUS		VITAMIN D	
TOMATO GOLDEN MOSAIC VIRUS		RT COENZYMES	
TOMATO MOSAIC VIRUS			
TOMATO RINGSPOT VIRUS			
TOMATO SPOTTED WILT VIRUS			
TOMATO YELLOW DWARF VIRUS		VOLCANIC SOILS	R
TOMATO YELLOW LEAF CURL VIRUS		BT LITHOLOGICAL SCIL TYPES	
TOMATO YELLOW MOSAIC VIRUS			
TURNIP CRINKLE VIRUS		VOLVARIELLA	DF
TURNIP MOSAIC VIRUS		BT EDIBLE FUNGI	
TURNIP ROSETTE MOSAIC VIRUS			
TURNIP YELLOW MOSAIC VIRUS		Wales	
WILD CUCUMBER MOSAIC VIRUS		USE GREAT BRITAIN	
RT ANTIVIRAL AGENTS			
VIRAL DISEASES		Wasps	
VIROLOGY		USE HYMENOPTERA	
VIRUS STRAINS			
VITAMIN A	B	WASTE DISPOSAL	R
BT VITAMINS		NT CONTROLLED BURNING	
		RECYCLING	
Vitamin B			
USE B VITAMINS		WATER	R
		NT SOIL WATER	
Vitamin B1			
USE THJAMIN			

WATER BALANCE	B	WATER STORAGE	F
BT PHYSIOLOGY		BT WATER SUPPLY	
RT TRANSPIRATION		NT WATER RESERVOIRS	
WILTING		RT STORAGE	
WATER BUFFALOES	D	WATER SUPPLY	F
BT LIVESTOCK		NT WATER STORAGE	
		WELLS	
WATER CONSERVATION	CE	RT IRRIGATION	
BT RESOURCE CONSERVATION		PRECIPITATION	
WATER MANAGEMENT		WATER CONSERVATION	
RT WATER SUPPLY		WATER MANAGEMENT	
		WATER REQUIREMENTS	
Water convolvulus		WATER UPTAKE	F
USE WATER SPINACH		BT PHYSIOLOGY	
		RT ABSORPTION	
WATER EROSION	D	NUTRIENT UPTAKE	
BT EROSION		NUTRITION PHYSIOLOGY	
NT LEACHING		OSMOSIS	
		TURGOR PRESSURE	
WATER MANAGEMENT	E	WATERCRESS	E
NT FLOOD CONTROL		BT GREEN VEGETABLES	
WATER CONSERVATION		RT RORIPPA	
RT DRAINAGE			
IRRIGATION			
WATER REQUIREMENTS			
WATER SUPPLY			
WATER POWER	CE	WATERING	F
BT ENERGY SOURCES		BT IRRIGATION	
WATER REQUIREMENTS	E	Wax gourd	
BT NUTRIENT REQUIREMENTS		USE BENINCASA	
RT WATER MANAGEMENT			
WATER SUPPLY			
		WEED COMPETITION	D
		BT BIOLOGICAL COMPETITION	
		RT WEEDS	
WATER RESERVOIRS	E	WEED CONTROL	D
BT WATER STORAGE		UF Weeding	
		BT CONTROL OF INJURIOUS	
		FACTORS	
WATER SPINACH	E	Weeding	
UF Kang kong		USE WEED CONTROL	
Water convolvulus			
BT GREEN VEGETABLES			
RT IPOMOEA AQUATICA			

WEEDS		Wild ancestors	
BT INJURIOUS FACTORS	D	USE ANCESTOR SPECIES	
NT ANNUAL WEEDS			
PERENNIAL WEEDS		WILD CUCUMBER MOSAIC VIPUS	D
RT PARASITIC PLANTS		BT VIRUSES	
PLANTS			
WEED COMPETITION			
Weevils		WILD SPECIES	A
USE COLEOPTERA		BT SPECIES	
		NT RELATED WILD SPECIES	
		RT ANCESTOR SPECIES	
		LANDRACES	
WELLS	E		
BT WATER SUPPLY		Wildfire (soybean disease)	
		USE BACTERIAL DISEASES +	
		PSEUDOMONAS	
WEST INDIES ASSOCIATED STATES	I		
BT CARIBBEAN			
WET SEASON	E	WILTING	D
BT SEASONS		RT DEHYDRATION	
		LODGING RESISTANCE	
		TRANSPIRATION	
		TURGOR PRESSURE	
		WATER BALANCE	
WET STORAGE	F	WILTS	
BT STORAGE			
Wheat		WILTS	D
USE TRITICUM		BT SYMPTOMS	
		NT BACTERIAL WILT	
White blister		RT WILTING	
USE ALBUGO			
White cabbage (Chinese or Shanghai)		WIND DAMAGE	D
USE CHINESE WHITE CABBAGE		BT ENVIRONMENTAL EFFECTS	
		RT STORMS	
		WIND EROSION	
		WINDBREAKS	
WHITE MUSTARD	E		
UF Mustard (white)		WIND EROSION	D
BT FEED CRUCIFERS		BT EROSION	
GREEN VEGETABLES		RT WIND DAMAGE	
OIL CROPS			
RT SINAPIS ALBA			
White rust		WIND POWER	CE
USE ALBUGO		BT ENERGY SOURCES	
WIDE ADAPTABILITY	C	WIND RESISTANCE	CE
BT BREEDING AIMS		UF Resistance to wind	
		BT RESISTANCE TO INJURIOUS	
		FACTORS	
Wide crossing		PT PLANT WEATHERING	
USE INTERGENERIC HYBRIDIZATION			

WINDBREAKS	E	XYLOSE	E
BT PHYSICAL CONTROL		BT SUGARS	
RT STORMS			
WIND DAMAGE		Yam bean	
		USE PACHYRRHIZUS	
WINGED BEANS	E	YAMS	E
UF Asparagus pea		SN Restrict to species of	
Bean (four-angled)		Dioscorea	
Bean (Goa)		BT ROOT VEGETABLES	
Bean (winged)		RT DIOSCOREA	
Four-angled bean			
Goa bean			
Pea (asparagus)			
BT GRAIN LEGUMES		YARD-LONG BEANS	E
ROOT VEGETABLES		UF Asparagus bean	
VEGETABLE LEGUMES		Bean (asparagus)	
RT PSOPHOCARPUS		Bean (snake)	
TETRAGONOLOBUS		Bean (yard-long)	
		Snake bean	
		BT GRAIN LEGUMES	
		RT VIGNA UNGUICULATA	
		SESQUIPEDALIS	
WINTER	E	Ye tsoi fa	
BT SEASONS		USE CAULIFLOWERS	
Winter squashes			
USE CUCURBIT VEGETABLES			
Witches' broom disease		YEAST SPOT	D
USE MYCOPLASMA-LIKE DISEASES		RT FUNGAL DISEASES	
		SPOTS	
XANTHIUM	A	RT NEMATOSPORA	
BT COMPOSITAE			
XANTHOMONAS	D	YIELD INCREASE	C
BT PSEUDOMONACEAE		BT BREEDING AIMS	
RT BACTERIAL PUSTULE			
XANTHOPHYLLS	B	YIELD TRIALS	E
BT PIGMENTS		BT EVALUATION	
PURINES		RT FIELD TRIALS	
		PROGENY TESTING	
XIPHINEMA	D	YIELDS	G
BT NEMATODES		UF Crop yields	
		RT CROP INSURANCE	
		HIGH-YIELDING VARIETIES	
		PRODUCTIVITY	
XYLEM	B	Young root (seed)	
BT VASCULAR BUNDLES		USE RADICLE	
RT TRACHEIDS			

Young shoot (seed)
USE PLUMULE

ZYGOTES

R

BT PLANT DEVELOPMENTAL STAGES
RT FERTILIZATION
GAMETES

YUBA
BT SOYBEAN PRODUCTS

F

ZAIRE
BT AFRICA

I

ZAMBIA
BT AFRICA

I

ZEA
UF Maize
BT GRAMINEAE
RT CEREALS

A

ZERO TILLAGE
UF Nontillage
BT REDUCED TILLAGE
RT MINIMUM TILLAGE
NO-TILL PLANTERS

E

ZIMBABWE
UF Rhodesia
BT AFRICA

I

ZINC
BT ELEMENTS

B

ZINGIBER
UF Ginger
BT ZINGIBERACEAE

A

ZINGIBERACEAE
BT PLANTS
NT ZINGIBER

A

Zoogeography
USE BIOGEOGRAPHY

ZOOLOGY
BT BIOLOGY
NT ENTOMOLOGY
HELMINTHOLOGY

B

SELECTED REFERENCES

In the course of compiling the Tropical Vegetables Thesaurus many hundreds of journal articles, research bulletins, monographs and library index cards were scanned for candidate descriptors and non-descriptors. These source documents are too numerous to list here - indeed no attempt was made to keep a record of all the documents that crossed my desk. What follows is therefore a selected list of the more important references used.

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